



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

6000 to 7000 blocks of IL 102 (ISGS Site No. 2946-3)

City: Wesley Township 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: 41.213195357 Longitude: -88.015742199

(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

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.213195357 Longitude: -88.015742199

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 AL3-1 THROUGH AL3-4, AL3-6, AND AL3-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-3. SEE FIGURES3-16 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108436-1 AND 500-108661-1. ALSO SEE FIGURE 4-16 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:



25 April 2016

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



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

Summary Table of ISGS Site No. 2946-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL3-1(0-1)-030716	AL3-2(0-1)-030716	AL3-3(0-1)-030716	AL3-4(0-1)-030716	AL3-6(0-1)-031016	AL3-7(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/10/2016	3/10/2016	
Location ID	AL3-1	AL3-2	AL3-3	AL3-4	AL3-6	AL3-7	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-3	2946-3	2946-3	2946-3	2946-3	2946-3	
Parameter							
Laboratory pH (s.u.)	7.94	7.57	7.94	8.44	8.56	8.28	<6.25,>9.0
VOCs (ug/kg)	None Detected						
SVOCs (ug/kg)							
2-Methylnaphthalene	ND	9 J	9.3 J	ND	ND	ND	---
Acenaphthylene	26 J	17 J	14 J	ND	24 J	78	---
Anthracene	9.1 J	16 J	11 J	ND	12 J	75	1.20E+07
Benzo(a)anthracene	22 J	64	55	13 J	60	270	900 / 1100 / 1800
Benzo(a)pyrene	42 J	82 J	73	17 J	63 J	290 J	90 / 1300 / 2100
Benzo(b)fluoranthene	69 J	170 J	160	39	110 J	570 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	23 J	36 J	26 J	ND	42 J	100 J	---
Benzo(k)fluoranthene	23 J	60 J	57	14 J	33 J	200 J	9000
bis(2-Ethylhexyl)phthalate	ND	83 J	ND	ND	ND	ND	46000
Butyl benzyl phthalate	120 J	80 J	ND	ND	ND	ND	930000
Chrysene	33 J	87	99	20 J	65	290	88000
Dibenzo(a,h)anthracene	9 J	ND	ND	ND	ND	23 J	90 / 200 / 420
Fluoranthene	46	160	230	32 J	110	720	3100000
Fluorene	ND	ND	ND	ND	ND	37	560000
Indeno(1,2,3-cd)pyrene	30 J	41 J	32 J	10 J	34 J	140 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	7 J	ND	ND	ND	1800
Phenanthrene	21 J	75	72	13 J	44	350	---
Pyrene	49	150	180	27 J	150	770	2300000
Total Metals (mg/kg)							
Antimony, Total	ND	ND	0.21 J	ND	ND	0.28 J	5
Arsenic, Total	5.1	4	4.1	5.3	4.4 J	1.1 J	11.3 / 13
Barium, Total	100 J-	77 J-	72 J-	57 J-	58 J	18 J	1500
Beryllium, Total	0.45	0.4	0.42	0.46	0.37	0.19 J	22
Cadmium, Total	0.17 J-	0.23 J-	0.22 J-	0.094 J-	1.6	39	5.2
Calcium, Total	47000 J-	68000 J-	50000 J-	26000 J-	110000 J	190000 J	---
Chromium, Total	11 J-	12 J-	ND	14 J-	7 J	4.4 J	21
Cobalt, Total	7	6.4	6.3	7.1	5.6 J	1.9 J	20
Copper, Total	18 J-	22 J-	13 J-	13 J-	7.7 J	4.3 J	2900
Iron, Total	13000 J	12000 J	14000 J	8500 J	96000 J	60000 J	15000 / 15900
Lead, Total	61 J	62 J	110 J	43 J	24 J	26 J	107
Magnesium, Total	23000 J-	36000 J-	24000 J-	17000 J-	70000 J	120000 J	325000
Manganese, Total	520 J-	550 J-	480 J-	390 J-	470 J	290 J	630 / 636
Mercury, Total	0.037	0.04	0.022	0.03	0.03	0.0098 J	0.89
Nickel, Total	14 B	12 B	13 B	16 B	9.9 J	4.5 J	100
Potassium, Total	900 J+	810 J+	860 J+	710 J+	680 J+	550 J+	---
Selenium, Total	ND	0.38 J	0.49 J-	0.55 J-	ND	0.68	1.3
Sodium, Total	920 J-	360 J-	860 J-	1900 J-	910 J+	1100 J+	---
Vanadium, Total	19	16	16	19	13 J	6.1 J	550
Zinc, Total	71 J-	71 J-	74 J-	56 J-	37 B	46 B	5100

Summary Table of ISGS Site No. 2946-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL3-1(0-1)-030716	AL3-2(0-1)-030716	AL3-3(0-1)-030716	AL3-4(0-1)-030716	AL3-6(0-1)-031016	AL3-7(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/10/2016	3/10/2016	
Location ID	AL3-1	AL3-2	AL3-3	AL3-4	AL3-6	AL3-7	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-3	2946-3	2946-3	2946-3	2946-3	2946-3	
Parameter							
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.55	0.54	0.56	0.36 J	0.56	0.27 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.29	0.64	0.48	1.8	0.85	1.4	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	0.33 J	1.9 B	0.76 B	0.6 B	ND	ND	5
SPLP Metals (mg/l)							
Arsenic, SPLP	0.024 J	ND	0.014 J	0.038 J	0.045 J	ND	0.05
Barium, SPLP	0.46 J	0.15 J	0.38 J	0.46 J	0.7	0.12 J	2
Beryllium, SPLP	ND	ND	ND	0.0051	0.0068	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.0057	ND	ND	0.005
Chromium, SPLP	0.088	0.027	0.066	0.14	0.15	0.029	0.1
Cobalt, SPLP	0.018 J	ND	0.012 J	0.026	0.038	ND	1
Copper, SPLP	0.094	0.035	0.057	0.12	0.13	0.022 J	0.65
Iron, SPLP	78 J+	21 J+	58 J+	120 J+	160 J+	22 J+	5
Lead, SPLP	0.17	0.064	0.2	0.13	0.24	0.11	0.0075
Manganese, SPLP	1	0.28	0.79	1.2	1.6	0.23	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.065	0.016 J	0.045	0.12	0.13	0.017 J	0.1
Zinc, SPLP	0.4 J	ND	ND	0.46 J	0.6	0.16 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108436-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/16/2016 3:19:58 PM

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

LINKS

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

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

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

- 1
- 2
- 3
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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-4(0-1)-030716

Lab Sample ID: 500-108436-4

Date Collected: 03/07/16 09:28

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 89.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/08/16 14:06	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/08/16 14:06	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/08/16 14:06	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/08/16 14:06	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/08/16 14:06	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/08/16 14:06	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/08/16 14:06	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/08/16 14:06	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/08/16 14:06	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/08/16 14:06	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/08/16 14:06	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/08/16 14:06	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/08/16 14:06	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/08/16 14:06	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/08/16 14:06	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/08/16 14:06	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/08/16 14:06	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/08/16 14:06	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/08/16 14:06	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/08/16 14:06	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/08/16 14:06	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/08/16 14:06	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/08/16 14:06	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/08/16 14:06	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/08/16 14:06	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/08/16 14:06	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/08/16 14:06	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/08/16 14:06	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/08/16 14:06	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/08/16 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/08/16 14:06	1
Dibromofluoromethane	107		75 - 120		03/08/16 14:06	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/08/16 14:06	1
Toluene-d8 (Surr)	108		75 - 122		03/08/16 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-4(0-1)-030716

Lab Sample ID: 500-108436-4

Date Collected: 03/07/16 09:28

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2-Methylnaphthalene	<36 *		36	6.6	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Anthracene	<36		36	6.0	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Benzo[a]anthracene	13 J		36	4.8	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Benzo[a]pyrene	17 J		36	6.9	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Benzo[b]fluoranthene	39		36	7.7	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Benzo[k]fluoranthene	14 J		36	11	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Carbazole	<180		180	90	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Chrysene	20 J		36	9.8	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Fluoranthene	32 J		36	6.7	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Fluorene	<36		36	5.0	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Hexachlorobutadiene	<180 *		180	56	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-4(0-1)-030716

Lab Sample ID: 500-108436-4

Date Collected: 03/07/16 09:28

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 89.3

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	10	J	36	9.3	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Isophorone	<180		180	40	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Naphthalene	<36		36	5.5	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Pentachlorophenol	<720		720	580	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Phenanthrene	13	J	36	5.0	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Phenol	<180		180	80	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Pyrene	27	J	36	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		35 - 137				03/09/16 14:44	03/13/16 17:40	1
2-Fluorobiphenyl	72		25 - 119				03/09/16 14:44	03/13/16 17:40	1
2-Fluorophenol	78		25 - 110				03/09/16 14:44	03/13/16 17:40	1
Nitrobenzene-d5	66		25 - 115				03/09/16 14:44	03/13/16 17:40	1
Phenol-d5	77		31 - 110				03/09/16 14:44	03/13/16 17:40	1
Terphenyl-d14	78		36 - 134				03/09/16 14:44	03/13/16 17:40	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		03/11/16 15:02	03/12/16 20:08	1
Barium	0.36	J	0.50	0.050	mg/L		03/11/16 15:02	03/12/16 20:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 20:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 20:08	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:08	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:08	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:08	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 20:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 20:08	1
Manganese	1.8		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:08	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:08	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 20:08	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:08	1
Zinc	0.60	B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 12:52	1
Barium	0.46	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:10	1
Beryllium	0.0051		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:10	1
Cadmium	0.0057		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 12:52	1
Chromium	0.14		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:10	1
Cobalt	0.026		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:52	1
Copper	0.12		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:52	1
Iron	120		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:10	1
Lead	0.13		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 12:52	1
Manganese	1.2		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:52	1
Nickel	0.12		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:52	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 12:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-4(0-1)-030716

Lab Sample ID: 500-108436-4

Date Collected: 03/07/16 09:28

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 89.3

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		03/12/16 12:27	03/14/16 15:10	1
Zinc	0.46	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 12:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.90		0.90	0.19	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Arsenic	5.3		0.45	0.21	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Barium	57		0.45	0.082	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Beryllium	0.46		0.18	0.039	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Cadmium	0.094		0.090	0.026	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Calcium	26000	B	9.0	2.9	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Chromium	14	B	2.2	0.077	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Cobalt	7.1		0.22	0.051	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Copper	13		0.45	0.097	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Iron	8500	B	11	4.3	mg/Kg	☼	03/11/16 15:52	03/12/16 21:10	1
Lead	43		0.22	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Magnesium	17000	B	4.5	1.8	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Manganese	390	B	0.45	0.089	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Nickel	16	B	0.45	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Potassium	710		22	3.7	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Selenium	0.55		0.45	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Silver	<0.22		0.22	0.053	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Sodium	1900		45	5.9	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Vanadium	19		0.22	0.066	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	1
Zinc	56		0.90	0.28	mg/Kg	☼	03/10/16 09:45	03/10/16 18:13	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		03/13/16 16:00	03/14/16 13:23	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		03/13/16 16:00	03/14/16 14:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		17	9.0	ug/Kg	☼	03/10/16 19:30	03/13/16 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.44		0.200	0.200	SU			03/09/16 16:26	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-3(0-1)-030716

Lab Sample ID: 500-108436-5

Date Collected: 03/07/16 09:50

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/08/16 14:32	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 14:32	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/08/16 14:32	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 14:32	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 14:32	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 14:32	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/08/16 14:32	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/08/16 14:32	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/08/16 14:32	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 14:32	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 14:32	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 14:32	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 14:32	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/08/16 14:32	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/08/16 14:32	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 14:32	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/08/16 14:32	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 14:32	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 14:32	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 14:32	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 14:32	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 14:32	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 14:32	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/08/16 14:32	1
Dibromofluoromethane	109		75 - 120		03/08/16 14:32	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/08/16 14:32	1
Toluene-d8 (Surr)	106		75 - 122		03/08/16 14:32	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	☼	03/09/16 14:44	03/13/16 18:09	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-3(0-1)-030716

Lab Sample ID: 500-108436-5

Date Collected: 03/07/16 09:50

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2-Methylnaphthalene	9.3	J *	39	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2-Methylphenol	<200		200	63	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Acenaphthylene	14	J	39	5.2	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Anthracene	11	J	39	6.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Benzo[a]anthracene	55		39	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Benzo[a]pyrene	73		39	7.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Benzo[b]fluoranthene	160		39	8.5	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Benzo[g,h,i]perylene	26	J	39	13	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Benzo[k]fluoranthene	57		39	12	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Carbazole	<200		200	99	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Chrysene	99		39	11	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Fluoranthene	230		39	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Fluorene	<39		39	5.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Hexachlorobutadiene	<200 *		200	62	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Hexachloroethane	<200		200	60	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-3(0-1)-030716

Lab Sample ID: 500-108436-5

Date Collected: 03/07/16 09:50

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.3

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	32	J	39	10	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Isophorone	<200		200	44	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Naphthalene	7.0	J	39	6.1	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Phenanthrene	72		39	5.5	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Phenol	<200		200	88	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Pyrene	180		39	7.8	ug/Kg	☼	03/09/16 14:44	03/13/16 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		35 - 137				03/09/16 14:44	03/13/16 18:09	1
2-Fluorobiphenyl	69		25 - 119				03/09/16 14:44	03/13/16 18:09	1
2-Fluorophenol	75		25 - 110				03/09/16 14:44	03/13/16 18:09	1
Nitrobenzene-d5	65		25 - 115				03/09/16 14:44	03/13/16 18:09	1
Phenol-d5	78		31 - 110				03/09/16 14:44	03/13/16 18:09	1
Terphenyl-d14	80		36 - 134				03/09/16 14:44	03/13/16 18:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Barium	0.56		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 20:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 20:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 20:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 20:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 20:15	1
Manganese	0.48		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 20:15	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:15	1
Zinc	0.76	B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 20:15	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		03/12/16 12:27	03/13/16 12:58	1
Barium	0.38	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 12:58	1
Chromium	0.066		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:15	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:58	1
Copper	0.057		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:58	1
Iron	58		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:15	1
Lead	0.20		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 12:58	1
Manganese	0.79		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:58	1
Nickel	0.045		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 12:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 12:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-3(0-1)-030716

Lab Sample ID: 500-108436-5

Date Collected: 03/07/16 09:50

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.3

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		03/12/16 12:27	03/14/16 15:15	1
Zinc	0.34	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 12:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	0.92	0.19	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Arsenic	4.1		0.46	0.21	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Barium	72		0.46	0.084	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Beryllium	0.42		0.18	0.040	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Cadmium	0.22		0.092	0.027	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Calcium	50000	B	92	30	mg/Kg	☼	03/10/16 09:45	03/10/16 18:33	10
Chromium	11	B	2.3	0.079	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Cobalt	6.3		0.23	0.052	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Copper	13		0.46	0.10	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Iron	14000	B	12	4.6	mg/Kg	☼	03/11/16 15:52	03/12/16 21:15	1
Lead	110		0.23	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Magnesium	24000	B	4.6	1.9	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Manganese	480	B	0.46	0.091	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Nickel	13	B	0.46	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Potassium	860		23	3.8	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Selenium	0.49		0.46	0.23	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Silver	<0.23		0.23	0.054	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Sodium	860		46	6.1	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Vanadium	16		0.23	0.067	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	1
Zinc	74		0.92	0.29	mg/Kg	☼	03/10/16 09:45	03/10/16 18:26	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		03/13/16 16:00	03/14/16 13:25	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/13/16 16:00	03/14/16 14:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		17	9.1	ug/Kg	☼	03/10/16 19:30	03/13/16 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			03/09/16 16:30	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-2(0-1)-030716

Lab Sample ID: 500-108436-6

Date Collected: 03/07/16 10:05

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/08/16 14:58	1
Benzene	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 14:58	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/08/16 14:58	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 14:58	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		03/08/16 14:58	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		03/08/16 14:58	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 14:58	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 14:58	1
Chloroethane	<6.1		6.1	2.5	ug/Kg	☼		03/08/16 14:58	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 14:58	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 14:58	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 14:58	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 14:58	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/08/16 14:58	1
1,1-Dichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 14:58	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		03/08/16 14:58	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/08/16 14:58	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/08/16 14:58	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/08/16 14:58	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 14:58	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/08/16 14:58	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/08/16 14:58	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/08/16 14:58	1
methyl isobutyl ketone	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 14:58	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 14:58	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 14:58	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.96	ug/Kg	☼		03/08/16 14:58	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 14:58	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/08/16 14:58	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 14:58	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/08/16 14:58	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 14:58	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 14:58	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		03/08/16 14:58	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 14:58	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/08/16 14:58	1
Dibromofluoromethane	108		75 - 120		03/08/16 14:58	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/08/16 14:58	1
Toluene-d8 (Surr)	107		75 - 122		03/08/16 14:58	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	☼	03/09/16 14:44	03/13/16 18:38	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-2(0-1)-030716

Lab Sample ID: 500-108436-6

Date Collected: 03/07/16 10:05

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,4-Dichlorophenol	<400		400	94	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2-Methylnaphthalene	9.0	J *	40	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2-Methylphenol	<200		200	64	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Acenaphthene	<40		40	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Acenaphthylene	17	J	40	5.2	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Anthracene	16	J	40	6.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Benzo[a]anthracene	64		40	5.4	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Benzo[a]pyrene	82	*	40	7.7	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Benzo[b]fluoranthene	170	*	40	8.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Benzo[g,h,i]perylene	36	J *	40	13	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Benzo[k]fluoranthene	60	*	40	12	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Bis(2-ethylhexyl) phthalate	83	J	200	73	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Butyl benzyl phthalate	80	J	200	76	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Carbazole	<200		200	99	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Chrysene	87		40	11	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Dibenz(a,h)anthracene	<40	*	40	7.7	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Dibenzofuran	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Fluoranthene	160		40	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Fluorene	<40		40	5.6	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Hexachlorobutadiene	<200	*	200	62	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Hexachloroethane	<200		200	60	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-2(0-1)-030716

Lab Sample ID: 500-108436-6

Date Collected: 03/07/16 10:05

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.6

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	41	*	40	10	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Isophorone	<200		200	45	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Naphthalene	<40		40	6.1	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Phenanthrene	75		40	5.5	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Phenol	<200		200	88	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Pyrene	150		40	7.9	ug/Kg	☼	03/09/16 14:44	03/13/16 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137				03/09/16 14:44	03/13/16 18:38	1
2-Fluorobiphenyl	68		25 - 119				03/09/16 14:44	03/13/16 18:38	1
2-Fluorophenol	74		25 - 110				03/09/16 14:44	03/13/16 18:38	1
Nitrobenzene-d5	60		25 - 115				03/09/16 14:44	03/13/16 18:38	1
Phenol-d5	72		31 - 110				03/09/16 14:44	03/13/16 18:38	1
Terphenyl-d14	90		36 - 134				03/09/16 14:44	03/13/16 18:38	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		03/11/16 15:02	03/12/16 20:22	1
Barium	0.54		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 20:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 20:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 20:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:22	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:22	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 20:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 20:22	1
Manganese	0.64		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 20:22	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:22	1
Zinc	1.9 B		0.50	0.020	mg/L		03/11/16 15:02	03/12/16 20:22	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		03/12/16 12:27	03/13/16 13:05	1
Barium	0.15 J		0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 13:05	1
Chromium	0.027		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:05	1
Copper	0.035		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:05	1
Iron	21		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:19	1
Lead	0.064		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 13:05	1
Manganese	0.28		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:05	1
Nickel	0.016 J		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 13:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-2(0-1)-030716

Lab Sample ID: 500-108436-6

Date Collected: 03/07/16 10:05

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.6

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		03/12/16 12:27	03/14/16 15:19	1
Zinc	0.12	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 13:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Arsenic	4.0		0.52	0.24	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Barium	77		0.52	0.096	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Beryllium	0.40		0.21	0.045	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Cadmium	0.23		0.10	0.030	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Calcium	68000	B	100	34	mg/Kg	☼	03/10/16 09:45	03/10/16 18:37	10
Chromium	12	B	2.8	0.098	mg/Kg	☼	03/11/16 15:52	03/12/16 21:20	1
Cobalt	6.4		0.26	0.059	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Copper	22		0.52	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Iron	12000	B	11	4.4	mg/Kg	☼	03/11/16 15:52	03/12/16 21:20	1
Lead	62		0.26	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Magnesium	36000	B	5.2	2.1	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Manganese	550	B	0.52	0.10	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Nickel	12	B	0.52	0.14	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Potassium	810		26	4.3	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Selenium	0.38	J	0.52	0.26	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Sodium	360		52	6.9	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Vanadium	16		0.26	0.076	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	1
Zinc	71		1.0	0.33	mg/Kg	☼	03/10/16 09:45	03/10/16 18:31	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		03/13/16 16:00	03/14/16 13:30	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		03/13/16 16:00	03/14/16 14:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	40		19	10	ug/Kg	☼	03/10/16 19:30	03/13/16 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.57		0.200	0.200	SU			03/09/16 16:34	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-1(0-1)-030716

Lab Sample ID: 500-108436-7

Date Collected: 03/07/16 10:22

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/08/16 15:24	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 15:24	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/08/16 15:24	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 15:24	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 15:24	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 15:24	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/08/16 15:24	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/08/16 15:24	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/08/16 15:24	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 15:24	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 15:24	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 15:24	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 15:24	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/08/16 15:24	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/08/16 15:24	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 15:24	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/08/16 15:24	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 15:24	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 15:24	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 15:24	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 15:24	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 15:24	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 15:24	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/08/16 15:24	1
Dibromofluoromethane	108		75 - 120		03/08/16 15:24	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/08/16 15:24	1
Toluene-d8 (Surr)	107		75 - 122		03/08/16 15:24	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	☼	03/09/16 14:44	03/13/16 19:06	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-1(0-1)-030716

Lab Sample ID: 500-108436-7

Date Collected: 03/07/16 10:22

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.6

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	88	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2-Methylnaphthalene	<38 *		38	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Acenaphthylene	26 J		38	5.1	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Anthracene	9.1 J		38	6.4	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Benzo[a]anthracene	22 J		38	5.2	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Benzo[a]pyrene	42 *		38	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Benzo[b]fluoranthene	69 *		38	8.3	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Benzo[g,h,i]perylene	23 J *		38	12	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Benzo[k]fluoranthene	23 J *		38	11	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Butyl benzyl phthalate	120 J		190	73	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Carbazole	<190		190	96	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Chrysene	33 J		38	10	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Dibenz(a,h)anthracene	9.0 J *		38	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Fluoranthene	46		38	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Hexachlorobutadiene	<190 *		190	60	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-1(0-1)-030716

Lab Sample ID: 500-108436-7

Date Collected: 03/07/16 10:22

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.6

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	30	J *	38	9.9	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Isophorone	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Phenanthrene	21	J	38	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Phenol	<190		190	85	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Pyrene	49		38	7.6	ug/Kg	☼	03/09/16 14:44	03/13/16 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		35 - 137				03/09/16 14:44	03/13/16 19:06	1
2-Fluorobiphenyl	70		25 - 119				03/09/16 14:44	03/13/16 19:06	1
2-Fluorophenol	79		25 - 110				03/09/16 14:44	03/13/16 19:06	1
Nitrobenzene-d5	64		25 - 115				03/09/16 14:44	03/13/16 19:06	1
Phenol-d5	74		31 - 110				03/09/16 14:44	03/13/16 19:06	1
Terphenyl-d14	92		36 - 134				03/09/16 14:44	03/13/16 19:06	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		03/11/16 15:02	03/12/16 20:28	1
Barium	0.55		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 20:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 20:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 20:28	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:28	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:28	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:28	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 20:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 20:28	1
Manganese	0.29		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:28	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 20:28	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:28	1
Zinc	0.33	J B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 13:12	1
Barium	0.46	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 13:12	1
Chromium	0.088		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:24	1
Cobalt	0.018	J	0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:12	1
Copper	0.094		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:12	1
Iron	78		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:24	1
Lead	0.17		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 13:12	1
Manganese	1.0		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:12	1
Nickel	0.065		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 13:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL3-1(0-1)-030716

Lab Sample ID: 500-108436-7

Date Collected: 03/07/16 10:22

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.6

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		03/12/16 12:27	03/14/16 15:24	1
Zinc	0.40	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 13:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Arsenic	5.1		0.59	0.27	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Barium	100		0.59	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Beryllium	0.45		0.24	0.051	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Cadmium	0.17		0.12	0.034	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Calcium	47000	B	120	38	mg/Kg	☼	03/10/16 09:45	03/10/16 18:49	10
Chromium	11	B	2.8	0.097	mg/Kg	☼	03/11/16 15:52	03/12/16 21:25	1
Cobalt	7.0		0.30	0.067	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Copper	18		0.59	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Iron	13000	B	11	4.4	mg/Kg	☼	03/11/16 15:52	03/12/16 21:25	1
Lead	61		0.30	0.15	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Magnesium	23000	B	5.9	2.4	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Manganese	520	B	0.59	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Nickel	14	B	0.59	0.16	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Potassium	900		30	4.8	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Sodium	920		59	7.8	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Vanadium	19		0.30	0.086	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	1
Zinc	71		1.2	0.37	mg/Kg	☼	03/10/16 09:45	03/10/16 18:36	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		03/13/16 16:00	03/14/16 13:32	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		03/13/16 16:00	03/14/16 14:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	37		19	9.8	ug/Kg	☼	03/10/16 19:30	03/13/16 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			03/09/16 16:38	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6041
Phone: 708.534.5200 Fax: 708.534.5



500-108436 COC

Report To (optional)
Contact: B. Balasubramanian
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108436
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 23.018

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
<u>Weston Solutions Inc.</u>		<u>02056.014039.003V</u>		<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	Comments		
Project Name <u>IDG1039-IL Rte 102</u>		Lab Project #		VOCs		SVOCs		Total Metals			
Project Location/State <u>Wilmington, IL</u>		Lab PM <u>D. Wright</u>		Total Metals		TEUPISUP METALS		PH			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
<u>1</u>		<u>VL2-2(0-1)-030716</u>	<u>3/7/16</u>	<u>0908</u>	<u>2</u>	<u>SO</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>VL2-2(0-1)D-030716</u>		<u>0908</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>3</u>		<u>VL2-1(0-1)-030716</u>		<u>0920</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>4</u>		<u>AL3-4(0-1)-030716</u>		<u>0928</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>5</u>		<u>AL3-3(0-1)-030716</u>		<u>0950</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>6</u>		<u>AL3-2(0-1)-030716</u>		<u>1005</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>7</u>		<u>AL3-1(0-1)-030716</u>		<u>1022</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>8</u>		<u>AL6-10(0-1)-030716</u>		<u>1035</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>9</u>		<u>AL6-9(0-1)-030716</u>		<u>1047</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>10</u>		<u>AL6-8(0-1)-030716</u>		<u>1102</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Per contract Other

Sample Disposal

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

Relinquished By <u>[Signature]</u>	Company <u>WESTON</u>	Date <u>3/7/16</u>	Time <u>15:50</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/7/16</u>	Time <u>1558</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/7/16</u>	Time <u>1635</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/7/16</u>	Time <u>1635</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job # 500-108436

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter					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	
Weston Solutions Inc		02056.014.039.0030		7	7	7	7	7				
Project Name		Lab Project #		# of Containers		Matrix		Total Metals	TCUP/PLP Methods	PH		
105039-IL Rte 102												
Project Location/State		Lab Project #		Date		Time						
Wilmington, IL												
Sampler		Lab PM										
A. Simpson		D. Wright										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP/PLP Methods	PH	Comments
11		AL6-7(0-1)-030716	3/7/16	1120	2	80	X	X	X	X	X	
12		AL6-7(0-1)-030716		1120			X	X	X	X	X	
13		AL6-6(0-1)-030716		1135			X	X	X	X	X	
14		AL6-5(0-1)-030716		1151			X	X	X	X	X	
15		AL6-4(0-1)-030716		1204			X	X	X	X	X	
16		AL6-3(0-1)-030716		1319			X	X	X	X	X	
17		AL6-2(0-1)-030716		1329			X	X	X	X	X	
18		AL6-1(0-1)-030716		1346			X	X	X	X	X	
19		AL7-11(0-1)-030716		1358			X	X	X	X	X	
20		AL7-10(0-1)-030716		1400			X	X	X	X	X	

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other *Per Contract*

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 <i>[Signature]</i>	Company WESTON	Date 3/11/16	Time 15:50	Received By <i>[Signature]</i>	Company TA	Date 3/7/16	Time 1550
Relinquished By <i>[Signature]</i>	Company TA	Date 3/10/16	Time 1635	Received By <i>[Signature]</i>	Company TA-CH	Date 3/7/16	Time 1635
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier TA

Shipped _____

Hand Delivered _____

Matrix Key

- WW - Wastewater
- W - Water
- S - Soil
- SL - Sludge
- MS - Miscellaneous
- OL - Oil
- A - Air
- SE - Sediment
- SO - Soil
- L - Leachate
- WI - Wipe
- DW - Drinking Water
- O - Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108661-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/24/2016 1:32:00 PM

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

LINKS

Review your project
results through
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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-6(0-1)-031016

Lab Sample ID: 500-108661-18

Date Collected: 03/10/16 15:33

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 19:01	1
Benzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/12/16 19:01	1
Bromoform	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 19:01	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 19:01	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 19:01	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 19:01	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/12/16 19:01	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 19:01	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 19:01	1
cis-1,2-Dichloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 19:01	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/12/16 19:01	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 19:01	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	☼		03/12/16 19:01	1
1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 19:01	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 19:01	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 19:01	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 19:01	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/12/16 19:01	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/12/16 19:01	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 19:01	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 19:01	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	☼		03/12/16 19:01	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 19:01	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 19:01	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 19:01	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 19:01	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 19:01	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 19:01	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 19:01	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/12/16 19:01	1
Dibromofluoromethane	110		75 - 120		03/12/16 19:01	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/12/16 19:01	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 19:01	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	☼	03/13/16 17:36	03/21/16 17:05	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-6(0-1)-031016

Lab Sample ID: 500-108661-18

Date Collected: 03/10/16 15:33

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.7

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	85	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Acenaphthylene	24	J	37	4.9	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Anthracene	12	J	37	6.2	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Benzo[a]anthracene	60		37	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Benzo[a]pyrene	63	*	37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Benzo[b]fluoranthene	110	*	37	8.0	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Benzo[g,h,i]perylene	42	*	37	12	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Benzo[k]fluoranthene	33	J *	37	11	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Carbazole	<190		190	93	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Chrysene	65		37	10	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Fluoranthene	110		37	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Hexachlorocyclopentadiene	<750	*	750	210	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-6(0-1)-031016

Lab Sample ID: 500-108661-18

Date Collected: 03/10/16 15:33

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.7

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	J *	37	9.6	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Isophorone	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Phenanthrene	44		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Phenol	<190		190	83	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Pyrene	150		37	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/13/16 17:36	03/21/16 17:05	1
2-Fluorobiphenyl	86		25 - 119				03/13/16 17:36	03/21/16 17:05	1
2-Fluorophenol	94		25 - 110				03/13/16 17:36	03/21/16 17:05	1
Nitrobenzene-d5	78		25 - 115				03/13/16 17:36	03/21/16 17:05	1
Phenol-d5	87		31 - 110				03/13/16 17:36	03/21/16 17:05	1
Terphenyl-d14	124		36 - 134				03/13/16 17:36	03/21/16 17:05	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		03/19/16 12:32	03/22/16 00:57	1
Barium	0.56		0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:57	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:57	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:57	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:57	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:57	1
Manganese	0.85		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:57	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:57	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:57	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:57	1
Zinc	0.12	J B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.045	J	0.050	0.010	mg/L		03/19/16 12:34	03/21/16 14:39	1
Barium	0.70		0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:39	1
Beryllium	0.0068		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:39	1
Chromium	0.15		0.025	0.010	mg/L		03/19/16 12:34	03/22/16 07:09	1
Cobalt	0.038		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:39	1
Copper	0.13		0.025	0.010	mg/L		03/19/16 12:34	03/22/16 07:09	1
Iron	160		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:39	1
Lead	0.24		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:39	1
Manganese	1.6		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:39	1
Nickel	0.13		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:39	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/21/16 14:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-6(0-1)-031016

Lab Sample ID: 500-108661-18

Date Collected: 03/10/16 15:33

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.7

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		03/19/16 12:34	03/21/16 14:39	1
Zinc	0.60		0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Arsenic	4.4		0.54	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Barium	58		0.54	0.098	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Beryllium	0.37		0.21	0.046	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Cadmium	1.6		1.1	0.31	mg/Kg	☼	03/16/16 11:30	03/19/16 20:52	10
Calcium	110000	B	110	34	mg/Kg	☼	03/16/16 11:30	03/20/16 03:45	10
Chromium	7.0		0.54	0.092	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Cobalt	5.6		0.27	0.061	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Copper	7.7		0.54	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Iron	96000	B	110	41	mg/Kg	☼	03/16/16 11:30	03/19/16 20:52	10
Lead	24		0.27	0.13	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Magnesium	70000	B	54	22	mg/Kg	☼	03/16/16 11:30	03/20/16 03:45	10
Manganese	470	B	0.54	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Nickel	9.9		0.54	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Potassium	680		27	4.4	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Sodium	910		54	7.1	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Thallium	<0.54		0.54	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Vanadium	13	^	0.27	0.078	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	1
Zinc	37	B	1.1	0.34	mg/Kg	☼	03/16/16 11:30	03/19/16 07:56	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		03/19/16 18:45	03/21/16 12:31	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		03/19/16 18:45	03/21/16 11:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		19	9.7	ug/Kg	☼	03/18/16 15:00	03/19/16 18:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.56		0.200	0.200	SU			03/12/16 14:37	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-7(0-1)-031016

Lab Sample ID: 500-108661-19

Date Collected: 03/10/16 15:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/12/16 19:28	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/12/16 19:28	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		03/12/16 19:28	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 19:28	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 19:28	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/12/16 19:28	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 19:28	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/12/16 19:28	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 19:28	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		03/12/16 19:28	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/12/16 19:28	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/12/16 19:28	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 19:28	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/12/16 19:28	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/12/16 19:28	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/12/16 19:28	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/12/16 19:28	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		03/12/16 19:28	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		03/12/16 19:28	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 19:28	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 19:28	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/12/16 19:28	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/12/16 19:28	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/12/16 19:28	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/12/16 19:28	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 19:28	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 19:28	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/12/16 19:28	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 19:28	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/12/16 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/12/16 19:28	1
Dibromofluoromethane	110		75 - 120		03/12/16 19:28	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/12/16 19:28	1
Toluene-d8 (Surr)	106		75 - 122		03/12/16 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-7(0-1)-031016

Lab Sample ID: 500-108661-19

Date Collected: 03/10/16 15:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Acenaphthylene	78		36	4.7	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Anthracene	75		36	6.0	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Benzo[a]anthracene	270		36	4.8	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Benzo[a]pyrene	290 *		36	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Benzo[b]fluoranthene	570 *		36	7.7	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Benzo[g,h,i]perylene	100 *		36	12	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Benzo[k]fluoranthene	200 *		36	11	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Carbazole	<180		180	89	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Chrysene	290		36	9.8	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Dibenz(a,h)anthracene	23 J *		36	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Fluoranthene	720		36	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Fluorene	37		36	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Hexachlorocyclopentadiene	<720 *		720	210	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-7(0-1)-031016

Lab Sample ID: 500-108661-19

Date Collected: 03/10/16 15:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.3

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	140	*	36	9.3	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Isophorone	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Naphthalene	<36		36	5.5	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Phenanthrene	350		36	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Phenol	<180		180	80	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Pyrene	770		36	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		35 - 137				03/13/16 17:36	03/21/16 17:33	1
2-Fluorobiphenyl	83		25 - 119				03/13/16 17:36	03/21/16 17:33	1
2-Fluorophenol	88		25 - 110				03/13/16 17:36	03/21/16 17:33	1
Nitrobenzene-d5	76		25 - 115				03/13/16 17:36	03/21/16 17:33	1
Phenol-d5	85		31 - 110				03/13/16 17:36	03/21/16 17:33	1
Terphenyl-d14	124		36 - 134				03/13/16 17:36	03/21/16 17:33	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		03/19/16 12:32	03/22/16 01:02	1
Barium	0.27	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 01:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 01:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 01:02	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 01:02	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 01:02	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 01:02	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 01:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 01:02	1
Manganese	1.4		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 01:02	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 01:02	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 01:02	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 01:02	1
Zinc	0.056	J B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 01:02	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		03/19/16 12:34	03/21/16 14:43	1
Barium	0.12	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:43	1
Chromium	0.029		0.025	0.010	mg/L		03/19/16 12:34	03/22/16 07:14	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:43	1
Copper	0.022	J	0.025	0.010	mg/L		03/19/16 12:34	03/22/16 07:14	1
Iron	22		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:43	1
Lead	0.11		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:43	1
Manganese	0.23		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:43	1
Nickel	0.017	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/21/16 14:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: AL3-7(0-1)-031016

Lab Sample ID: 500-108661-19

Date Collected: 03/10/16 15:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.3

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		03/19/16 12:34	03/21/16 14:43	1
Zinc	0.16	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.23	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Arsenic	1.1		0.54	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Barium	18		0.54	0.099	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Beryllium	0.19	J	0.22	0.047	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Cadmium	39		1.1	0.31	mg/Kg	☼	03/16/16 11:30	03/19/16 20:57	10
Calcium	190000	B	110	35	mg/Kg	☼	03/16/16 11:30	03/20/16 03:49	10
Chromium	4.4		0.54	0.093	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Cobalt	1.9		0.27	0.061	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Copper	4.3		0.54	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Iron	60000	B	110	42	mg/Kg	☼	03/16/16 11:30	03/19/16 20:57	10
Lead	26		0.27	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Magnesium	120000	B	54	22	mg/Kg	☼	03/16/16 11:30	03/20/16 03:49	10
Manganese	290	B	0.54	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Nickel	4.5		0.54	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Potassium	550		27	4.4	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Selenium	0.68		0.54	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Sodium	1100		54	7.2	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Vanadium	6.1	^	0.27	0.079	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	1
Zinc	46	B	1.1	0.34	mg/Kg	☼	03/16/16 11:30	03/19/16 08:01	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		03/19/16 18:45	03/21/16 12:33	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		03/19/16 18:45	03/21/16 11:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.8	J	17	8.7	ug/Kg	☼	03/18/16 15:00	03/19/16 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.200	0.200	SU			03/12/16 14:42	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

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 is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

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	04-30-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
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

Report To (optional) S. Babuscumar Bill To (optional) _____
 Contact: Weston Solutions Contact: _____
 Company: Weston Solutions Company: _____
 Address: 300 plaza Cir, Ste 201 Address: SAME
 Address: Mundelein, IL 60060 Address: _____
 Phone: 224-864-7250 Phone: _____
 Fax: _____ Fax: _____
 E-Mail: _____ PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-108661
 Chain of Custody Number: _____
 Page 3 of 4
 Temperature °C of Cooler: 5.6

Client		Client Project #		Preservative		Parameter													
Weston																			
Project Name		Lab Project #																	
IDOT 039																			
Project Location/State		Lab PM																	
Wilmington, IL		Dick Wright																	
Sampler																			
A. Turkasz																			
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total metals	TCUP/ SPLP Metals	PH	Preservative Key		500-108661 COC	Comments				
			Date	Time								1. HCL, Cool to 4°	2. H2SO4, Cool to 4°						
1		KR-43(0-1)-031016	3/10/16	1250	2	S	X	X	X	X	X								
2		KR-44(0-1)-031016	3/10/16	1256	2	S	X	X	X	X	X								
3		KR-45(0-1)-031016	3/10/16	1310	2	S	X	X	X	X	X								
4		KR-46(0-1)-031016	3/10/16	1318	2	S	X	X	X	X	X								
5		KR-47(0-1)-031016	3/10/16	1330	2	S	X	X	X	X	X								
6		KR-48(0-1)-031016	3/10/16	1345	2	S	X	X	X	X	X								
7		KR-48(0-1)-031016D	3/10/16	1345	2	S	X	X	X	X	X								
8		KR-49(0-1)-031016	3/10/16	1357	2	S	X	X	X	X	X								
9		KR-50(0-1)-031016	3/10/16	1405	2	S	X	X	X	X	X								
10		KR-51(0-1)-031016	3/10/16	1412	2	S	X	X	X	X	X								

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>03/10/16</u> Time: <u>1655</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To Contact: <u>S. Babusukumar</u> Company: <u>Weston Solutions</u> Address: <u>300 plaza Cir, Ste 202</u> Address: <u>Mundelein, IL 60060</u> Phone: <u>224-864-7250</u> Fax: _____ E-Mail: _____	(optional)	Bill To Contact: _____ Company: _____ Address: <u>SAMA</u> Address: _____ Phone: _____ Fax: _____ PO#/Reference#: _____	(optional)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------	----------------------------------------------------------------------------------------------------------------------------------------------	------------

Chain of Custody Record

Lab Job #: 500-1081661
Chain of Custody Number: _____
Page 4 of 4
Temperature °C of Cooler: 5.6

Client		Client Project #		Preservative		Parameter		VOC		SVOC		Total metals		DCLP / SPLP		PH		Preservative Key	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM										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	Date	Time	# of Containers	Matrix													Comments
Weston		IDOT 039		Wilmington, IL		A. Turkeasz		Dick Weight											
11		KR-52(0-1)-031016	3/10/16	1420	2	S	X	X	X	X	X								
12		KR-53(0-1)-031016	3/10/16	1425	2	S	X	X	X	X	X								
13		KR-54(0-1)-031016	3/10/16	1440	2	S	X	X	X	X	X								
14		KR-55(0-1)-031016	3/10/16	1450	2	S	X	X	X	X	X								
15		KR-56(0-1)-031016	3/10/16	1459	2	S	X	X	X	X	X								
16		KR-57(0-1)-031016	3/10/16	1510	2	S	X	X	X	X	X								
17		KR-58(0-1)-031016	3/10/16	1518	2	S	X	X	X	X	X								
18		AL3-6(0-1)-031016	3/10/16	1533	2	S	X	X	X	X	X								
19		AL3-7(0-1)-031016	3/10/16	1540	2	S	X	X	X	X	X								
		AL3-5(0-1)-031016	3/10/16				X	X	X	X	X								(AT)

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Alan Turkeasz</u> Company: <u>Weston</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1655</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>03/10/16</u> Time: <u>16:55</u>	Shipped _____
Relinquished By _____	Received By _____	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:
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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 operations.

I. Source Location Information

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

37040 IL 102 (ISGS Site No. 2946-4)

City: Wesley Township 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: 41.213320908 Longitude: -88.017483603

(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.213320908 Longitude: -88.017483603

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 IB-1 THROUGH IB-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-4. SEE FIGURE 3-16 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108663-1.
ALSO SEE FIGURE 4-16 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:

25 April 2016

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



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

Summary Table of ISGS Site No. 2946-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	IB-1(0-1)-031016	IB-2(0-1)-031016	IB-3(0-1)-031016	IB-4(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	IB-1	IB-2	IB-3	IB-4	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-4	2946-4	2946-4	2946-4	
Parameter					
Laboratory pH (s.u.)	8.54	8.41	8.1	8.63	<6.25,>9.0
VOCs (ug/kg)	None Detected				
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	12 J	7.4 J	---
Acenaphthene	ND	ND	22 J	14 J	570000
Acenaphthylene	15 J	ND	200	240	---
Anthracene	ND	ND	120	81	1.20E+07
Benzo(a)anthracene	17 J	18 J	490	250	900 / 1100 / 1800
Benzo(a)pyrene	29 J	24 J	580 J	470 J	90 / 1300 / 2100
Benzo(b)fluoranthene	45	46	1100 J	740 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	27 J	14 J	280 J	230 J	---
Benzo(k)fluoranthene	14 J	12 J	400 J	240 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	130 J	100 J	46000
Chrysene	25 J	31 J	540	320	88000
Dibenzo(a,h)anthracene	ND	ND	62 J	80 J	90 / 200 / 420
Fluoranthene	30 J	49	1100	270	3100000
Fluorene	ND	ND	38	13 J	560000
Indeno(1,2,3-cd)pyrene	25 J	13 J	310 J	300 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	8.7 J	6 J	1800
Phenanthrene	13 J	27 J	480	93	---
Pyrene	26 J	41	1400	450	2300000
Total Metals (mg/kg)					
Antimony, Total	0.27 J	0.21 J	ND	0.28 J	5
Arsenic, Total	3 J	3.2 J	4 J	3.5 J	11.3 / 13
Barium, Total	41 J	57 J	56 J	60 J	1500
Beryllium, Total	0.34	0.34	0.37	0.38	22
Cadmium, Total	0.19 J-	0.19 J-	0.22 J-	0.27 J-	5.2
Calcium, Total	160000 J	120000 J	110000 J	110000 J	---
Chromium, Total	5.7	10	8.3	7.2	21
Cobalt, Total	4.6 J	4.6 J	4.3 J	5 J	20
Copper, Total	6.6	12	12	9.8	2900
Iron, Total	7100 J	8200 J	13000 J	9400 J	15000 / 15900
Lead, Total	25 J	57 J	59 J	77 J	107
Magnesium, Total	99000 J	75000 J	50000 J	65000 J	325000
Manganese, Total	420 J	440 J	330 J	380 J	630 / 636
Mercury, Total	0.016 J	0.018	0.013 J	0.018	0.89
Nickel, Total	9	8.4	11	9.6	100
Potassium, Total	670 J+	690 J+	620 J+	740 J+	---
Selenium, Total	0.32 J	0.35 J	0.35 J	0.42 J-	1.3
Sodium, Total	1600 J-	1600 J-	1500 J-	1500 J-	---
Vanadium, Total	11 J	12 J	11 J	12 J	550
Zinc, Total	35 J-	43 J-	57 J-	68 J-	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.29 J	0.31 J	0.2 J	0.36 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.3 J+	0.9 J+	0.64 J+	1 J+	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Zinc, TCLP	0.2 J	0.03 J	0.15 J	0.037 J	5

Summary Table of ISGS Site No. 2946-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	IB-1(0-1)-031016	IB-2(0-1)-031016	IB-3(0-1)-031016	IB-4(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	IB-1	IB-2	IB-3	IB-4	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-4	2946-4	2946-4	2946-4	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.024 J	0.024 J	ND	0.015 J	0.05
Barium, SPLP	0.46 J	0.5	0.12 J	0.38 J	2
Beryllium, SPLP	0.0052	0.0042	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.11	0.1	0.032	0.065	0.1
Cobalt, SPLP	0.03	0.024 J	ND	0.016 J	1
Copper, SPLP	0.082	0.074	0.027	0.052	0.65
Iron, SPLP	110 J+	87 J+	27 J+	59 J+	5
Lead, SPLP	0.23	0.21	0.13	0.24	0.0075
Manganese, SPLP	1.1	1	0.29	0.82	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.099	0.077	0.022 J	0.049	0.1
Zinc, SPLP	0.59 B	0.44 J	0.41 J	0.36 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108663-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/24/2016 10:10:31 AM

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

LINKS

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-1(0-1)-031016

Lab Sample ID: 500-108663-12

Date Collected: 03/10/16 14:35

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 83.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/14/16 18:18	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/14/16 18:18	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/14/16 18:18	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/14/16 18:18	1
Bromomethane	<6.0 *		6.0	2.2	ug/Kg	☼		03/14/16 18:18	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/14/16 18:18	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/14/16 18:18	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/14/16 18:18	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/14/16 18:18	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/14/16 18:18	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/14/16 18:18	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/14/16 18:18	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/14/16 18:18	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/14/16 18:18	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/14/16 18:18	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/14/16 18:18	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/14/16 18:18	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/14/16 18:18	1
Methylene Chloride	<6.0		6.0	4.6	ug/Kg	☼		03/14/16 18:18	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/14/16 18:18	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/14/16 18:18	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		03/14/16 18:18	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		03/14/16 18:18	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/14/16 18:18	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/14/16 18:18	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/14/16 18:18	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/14/16 18:18	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/14/16 18:18	1
Vinyl chloride	<6.0 *		6.0	1.4	ug/Kg	☼		03/14/16 18:18	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/14/16 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/14/16 18:18	1
Dibromofluoromethane	98		75 - 120		03/14/16 18:18	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134		03/14/16 18:18	1
Toluene-d8 (Surr)	111		75 - 122		03/14/16 18:18	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	42	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-1(0-1)-031016

Lab Sample ID: 500-108663-12

Date Collected: 03/10/16 14:35

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2-Methylphenol	<200		200	63	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Acenaphthylene	15 J		39	5.2	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Anthracene	<39		39	6.6	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Benzo[a]anthracene	17 J		39	5.3	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Benzo[a]pyrene	29 J		39	7.6	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Benzo[b]fluoranthene	45		39	8.5	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Benzo[g,h,i]perylene	27 J		39	13	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Benzo[k]fluoranthene	14 J		39	12	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Carbazole	<200		200	98	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Chrysene	25 J		39	11	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Fluoranthene	30 J		39	7.3	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Fluorene	<39		39	5.5	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Hexachloroethane	<200		200	60	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-1(0-1)-031016

Lab Sample ID: 500-108663-12

Date Collected: 03/10/16 14:35

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 83.0

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	25	J	39	10	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Isophorone	<200		200	44	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Naphthalene	<39		39	6.0	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Phenanthrene	13	J	39	5.5	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Phenol	<200		200	87	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Pyrene	26	J	39	7.8	ug/Kg	☼	03/15/16 07:01	03/22/16 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		35 - 137				03/15/16 07:01	03/22/16 00:13	1
2-Fluorobiphenyl	85		25 - 119				03/15/16 07:01	03/22/16 00:13	1
2-Fluorophenol	92		25 - 110				03/15/16 07:01	03/22/16 00:13	1
Nitrobenzene-d5	79		25 - 115				03/15/16 07:01	03/22/16 00:13	1
Phenol-d5	71		31 - 110				03/15/16 07:01	03/22/16 00:13	1
Terphenyl-d14	85		36 - 134				03/15/16 07:01	03/22/16 00:13	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		03/20/16 14:00	03/22/16 12:20	1
Barium	0.29	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 12:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 12:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 12:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:20	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:20	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:20	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 12:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 12:20	1
Manganese	0.30		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:20	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 12:20	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:20	1
Zinc	0.20	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 12:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		03/21/16 09:00	03/21/16 22:05	1
Barium	0.46	J	0.50	0.050	mg/L		03/21/16 09:00	03/21/16 22:05	1
Beryllium	0.0052		0.0040	0.0040	mg/L		03/21/16 09:00	03/21/16 22:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/21/16 22:05	1
Chromium	0.11		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:05	1
Cobalt	0.030		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:05	1
Copper	0.082		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:05	1
Iron	110		0.40	0.20	mg/L		03/21/16 09:00	03/21/16 22:05	1
Lead	0.23		0.0075	0.0075	mg/L		03/21/16 09:00	03/21/16 22:05	1
Manganese	1.1		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:05	1
Nickel	0.099		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/21/16 22:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-1(0-1)-031016

Lab Sample ID: 500-108663-12

Date Collected: 03/10/16 14:35

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 83.0

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		03/21/16 09:00	03/21/16 22:05	1
Zinc	0.59	B	0.50	0.020	mg/L		03/21/16 09:00	03/21/16 22:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	0.98	0.20	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Arsenic	3.0		0.49	0.23	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Barium	41		0.49	0.090	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Beryllium	0.34		0.20	0.043	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Cadmium	0.19		0.098	0.028	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Calcium	160000	B	98	32	mg/Kg	☼	03/16/16 11:15	03/20/16 04:44	10
Chromium	5.7		0.49	0.085	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Cobalt	4.6		0.25	0.056	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Copper	6.6		0.49	0.11	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Iron	7100		9.8	3.8	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Lead	25		0.25	0.12	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Magnesium	99000	B	49	20	mg/Kg	☼	03/16/16 11:15	03/20/16 04:44	10
Manganese	420		0.49	0.097	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Nickel	9.0		0.49	0.13	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Potassium	670		25	4.0	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Selenium	0.32	J	0.49	0.24	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Silver	<0.25		0.25	0.057	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Sodium	1600		49	6.5	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Vanadium	11		0.25	0.072	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	1
Zinc	35		0.98	0.31	mg/Kg	☼	03/16/16 11:15	03/19/16 05:08	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		03/20/16 18:00	03/21/16 20:44	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		03/20/16 18:00	03/21/16 21:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	9.3	ug/Kg	☼	03/18/16 15:00	03/19/16 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.54		0.200	0.200	SU			03/14/16 16:01	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-2(0-1)-031016

Lab Sample ID: 500-108663-13

Date Collected: 03/10/16 14:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/14/16 18:43	1
Benzene	<5.6		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/14/16 18:43	1
Bromoform	<5.6		5.6	1.2	ug/Kg	☼		03/14/16 18:43	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/14/16 18:43	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/14/16 18:43	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/14/16 18:43	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/14/16 18:43	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/14/16 18:43	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/14/16 18:43	1
cis-1,2-Dichloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/14/16 18:43	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/14/16 18:43	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/14/16 18:43	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	☼		03/14/16 18:43	1
1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	☼		03/14/16 18:43	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/14/16 18:43	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/14/16 18:43	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/14/16 18:43	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/14/16 18:43	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/14/16 18:43	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/14/16 18:43	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/14/16 18:43	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	☼		03/14/16 18:43	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/14/16 18:43	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/14/16 18:43	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/14/16 18:43	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/14/16 18:43	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/14/16 18:43	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/14/16 18:43	1
Vinyl chloride	<5.6 *		5.6	1.3	ug/Kg	☼		03/14/16 18:43	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/14/16 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/14/16 18:43	1
Dibromofluoromethane	101		75 - 120		03/14/16 18:43	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/14/16 18:43	1
Toluene-d8 (Surr)	110		75 - 122		03/14/16 18:43	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	☼	03/15/16 07:01	03/22/16 00:42	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-2(0-1)-031016

Lab Sample ID: 500-108663-13

Date Collected: 03/10/16 14:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Anthracene	<37		37	6.3	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Benzo[a]anthracene	18 J		37	5.0	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Benzo[a]pyrene	24 J		37	7.2	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Benzo[b]fluoranthene	46		37	8.1	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Benzo[g,h,i]perylene	14 J		37	12	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Benzo[k]fluoranthene	12 J		37	11	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Carbazole	<190		190	93	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Chrysene	31 J		37	10	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Fluoranthene	49		37	6.9	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Hexachlorocyclopentadiene	<750		750	220	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-2(0-1)-031016

Lab Sample ID: 500-108663-13

Date Collected: 03/10/16 14:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	13	J	37	9.7	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Isophorone	<190		190	42	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Phenanthrene	27	J	37	5.2	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Phenol	<190		190	83	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Pyrene	41		37	7.4	ug/Kg	☼	03/15/16 07:01	03/22/16 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		35 - 137				03/15/16 07:01	03/22/16 00:42	1
2-Fluorobiphenyl	81		25 - 119				03/15/16 07:01	03/22/16 00:42	1
2-Fluorophenol	84		25 - 110				03/15/16 07:01	03/22/16 00:42	1
Nitrobenzene-d5	72		25 - 115				03/15/16 07:01	03/22/16 00:42	1
Phenol-d5	82		31 - 110				03/15/16 07:01	03/22/16 00:42	1
Terphenyl-d14	87		36 - 134				03/15/16 07:01	03/22/16 00:42	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		03/20/16 14:00	03/22/16 12:26	1
Barium	0.31	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 12:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 12:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 12:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:26	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:26	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 12:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 12:26	1
Manganese	0.90		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:26	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 12:26	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:26	1
Zinc	0.030	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		03/21/16 09:00	03/21/16 22:10	1
Barium	0.50		0.50	0.050	mg/L		03/21/16 09:00	03/21/16 22:10	1
Beryllium	0.0042		0.0040	0.0040	mg/L		03/21/16 09:00	03/21/16 22:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/21/16 22:10	1
Chromium	0.10		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:10	1
Cobalt	0.024	J	0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:10	1
Copper	0.074		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:10	1
Iron	87		0.40	0.20	mg/L		03/21/16 09:00	03/21/16 22:10	1
Lead	0.21		0.0075	0.0075	mg/L		03/21/16 09:00	03/21/16 22:10	1
Manganese	1.0		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:10	1
Nickel	0.077		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/21/16 22:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-2(0-1)-031016

Lab Sample ID: 500-108663-13

Date Collected: 03/10/16 14:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.6

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		03/21/16 09:00	03/21/16 22:10	1
Zinc	0.44	J B	0.50	0.020	mg/L		03/21/16 09:00	03/21/16 22:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.0	0.21	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Arsenic	3.2		0.50	0.23	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Barium	57		0.50	0.092	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Beryllium	0.34		0.20	0.043	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Cadmium	0.19		0.10	0.029	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Calcium	120000	B	100	32	mg/Kg	☼	03/16/16 11:15	03/20/16 04:48	10
Chromium	10		0.50	0.086	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Cobalt	4.6		0.25	0.057	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Copper	12		0.50	0.11	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Iron	8200		10	3.9	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Lead	57		0.25	0.12	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Magnesium	75000	B	50	20	mg/Kg	☼	03/16/16 11:15	03/20/16 04:48	10
Manganese	440		0.50	0.099	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Nickel	8.4		0.50	0.14	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Potassium	690		25	4.1	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Selenium	0.35	J	0.50	0.25	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Sodium	1600		50	6.6	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Vanadium	12		0.25	0.073	mg/Kg	☼	03/16/16 11:15	03/19/16 05:13	1
Zinc	43		1.0	0.32	mg/Kg	☼	03/16/16 11:15	03/19/16 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		03/20/16 18:00	03/21/16 20:46	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		03/20/16 18:00	03/21/16 21:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		17	8.7	ug/Kg	☼	03/18/16 15:00	03/19/16 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.41		0.200	0.200	SU			03/14/16 16:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-3(0-1)-031016

Lab Sample ID: 500-108663-14

Date Collected: 03/10/16 14:55

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/14/16 19:08	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/14/16 19:08	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/14/16 19:08	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/14/16 19:08	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/14/16 19:08	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/14/16 19:08	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/14/16 19:08	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/14/16 19:08	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/14/16 19:08	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/14/16 19:08	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/14/16 19:08	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/14/16 19:08	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/14/16 19:08	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/14/16 19:08	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/14/16 19:08	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/14/16 19:08	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/14/16 19:08	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/14/16 19:08	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/14/16 19:08	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/14/16 19:08	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 19:08	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/14/16 19:08	1
Vinyl chloride	<5.5 *		5.5	1.3	ug/Kg	☼		03/14/16 19:08	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/14/16 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/14/16 19:08	1
Dibromofluoromethane	103		75 - 120		03/14/16 19:08	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/14/16 19:08	1
Toluene-d8 (Surr)	108		75 - 122		03/14/16 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-3(0-1)-031016

Lab Sample ID: 500-108663-14

Date Collected: 03/10/16 14:55

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2-Methylnaphthalene	12	J	36	6.7	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Acenaphthene	22	J	36	6.5	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Acenaphthylene	200		36	4.8	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Anthracene	120		36	6.1	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Benzo[a]anthracene	490		36	4.9	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Benzo[a]pyrene	580	*	36	7.0	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Benzo[b]fluoranthene	1100	*	36	7.8	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Benzo[g,h,i]perylene	280	*	36	12	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Benzo[k]fluoranthene	400	*	36	11	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Bis(2-ethylhexyl) phthalate	130	J	180	66	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Carbazole	<180		180	91	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Chrysene	540		36	9.9	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Dibenz(a,h)anthracene	62	*	36	7.0	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Fluoranthene	1100		36	6.7	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Fluorene	38		36	5.1	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-3(0-1)-031016

Lab Sample ID: 500-108663-14

Date Collected: 03/10/16 14:55

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	310	*	36	9.4	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Isophorone	<180		180	41	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Naphthalene	8.7	J	36	5.6	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Phenanthrene	480		36	5.1	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Phenol	<180		180	81	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Pyrene	1400		36	7.2	ug/Kg	☼	03/15/16 07:01	03/22/16 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		35 - 137				03/15/16 07:01	03/22/16 02:08	1
2-Fluorobiphenyl	87		25 - 119				03/15/16 07:01	03/22/16 02:08	1
2-Fluorophenol	93		25 - 110				03/15/16 07:01	03/22/16 02:08	1
Nitrobenzene-d5	76		25 - 115				03/15/16 07:01	03/22/16 02:08	1
Phenol-d5	94		31 - 110				03/15/16 07:01	03/22/16 02:08	1
Terphenyl-d14	150	X	36 - 134				03/15/16 07:01	03/22/16 02:08	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		03/20/16 14:00	03/22/16 12:31	1
Barium	0.20	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 12:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 12:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 12:31	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:31	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:31	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:31	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 12:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 12:31	1
Manganese	0.64		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:31	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 12:31	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:31	1
Zinc	0.15	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 12:31	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		03/21/16 09:00	03/21/16 22:15	1
Barium	0.12	J	0.50	0.050	mg/L		03/21/16 09:00	03/21/16 22:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/21/16 22:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/21/16 22:15	1
Chromium	0.032		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:15	1
Copper	0.027		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:15	1
Iron	27		0.40	0.20	mg/L		03/21/16 09:00	03/21/16 22:15	1
Lead	0.13		0.0075	0.0075	mg/L		03/21/16 09:00	03/21/16 22:15	1
Manganese	0.29		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:15	1
Nickel	0.022	J	0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/21/16 22:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-3(0-1)-031016

Lab Sample ID: 500-108663-14

Date Collected: 03/10/16 14:55

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

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		03/21/16 09:00	03/21/16 22:15	1
Zinc	0.41	J B	0.50	0.020	mg/L		03/21/16 09:00	03/21/16 22:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Arsenic	4.0		0.55	0.25	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Barium	56		0.55	0.10	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Beryllium	0.37		0.22	0.047	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Cadmium	0.22		0.11	0.032	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Calcium	110000	B	110	35	mg/Kg	☼	03/16/16 11:15	03/20/16 04:52	10
Chromium	8.3		0.55	0.094	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Cobalt	4.3		0.27	0.062	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Copper	12		0.55	0.12	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Iron	13000		11	4.2	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Lead	59		0.27	0.14	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Magnesium	50000	B	5.5	2.2	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Manganese	330		0.55	0.11	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Nickel	11		0.55	0.15	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Potassium	620		27	4.5	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Selenium	0.35	J	0.55	0.27	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Sodium	1500		55	7.2	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Vanadium	11		0.27	0.080	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	1
Zinc	57		1.1	0.35	mg/Kg	☼	03/16/16 11:15	03/19/16 05:18	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		03/20/16 18:00	03/21/16 20:48	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		03/20/16 18:00	03/21/16 21:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	16	8.6	ug/Kg	☼	03/18/16 15:00	03/19/16 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.10		0.200	0.200	SU			03/14/16 16:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-4(0-1)-031016

Lab Sample ID: 500-108663-15

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/14/16 19:33	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/14/16 19:33	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/14/16 19:33	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/14/16 19:33	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/14/16 19:33	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/14/16 19:33	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/14/16 19:33	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/14/16 19:33	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/14/16 19:33	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/14/16 19:33	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/14/16 19:33	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/14/16 19:33	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/14/16 19:33	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/14/16 19:33	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/14/16 19:33	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/14/16 19:33	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/14/16 19:33	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/14/16 19:33	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/14/16 19:33	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/14/16 19:33	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/14/16 19:33	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/14/16 19:33	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/14/16 19:33	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/14/16 19:33	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/14/16 19:33	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/14/16 19:33	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/14/16 19:33	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/14/16 19:33	1
Vinyl chloride	<5.7 *		5.7	1.3	ug/Kg	☼		03/14/16 19:33	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/14/16 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/14/16 19:33	1
Dibromofluoromethane	101		75 - 120		03/14/16 19:33	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134		03/14/16 19:33	1
Toluene-d8 (Surr)	112		75 - 122		03/14/16 19:33	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	☼	03/15/16 07:01	03/23/16 01:18	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-4(0-1)-031016

Lab Sample ID: 500-108663-15

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2-Methylnaphthalene	7.4	J	37	6.8	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Acenaphthene	14	J	37	6.7	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Acenaphthylene	240		37	4.9	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Anthracene	81		37	6.2	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Benzo[a]anthracene	250		37	5.0	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Benzo[a]pyrene	470	*	37	7.2	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Benzo[b]fluoranthene	740	*	37	8.0	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Benzo[g,h,i]perylene	230	*	37	12	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Benzo[k]fluoranthene	240	*	37	11	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Bis(2-ethylhexyl) phthalate	100	J	190	68	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Carbazole	<190		190	93	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Chrysene	320		37	10	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Dibenz(a,h)anthracene	80	*	37	7.2	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Fluoranthene	270		37	6.9	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Fluorene	13	J	37	5.2	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-4(0-1)-031016

Lab Sample ID: 500-108663-15

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.4

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	300	*	37	9.6	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Isophorone	<190		190	42	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Naphthalene	6.0	J	37	5.7	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Phenanthrene	93		37	5.2	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Phenol	<190		190	82	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Pyrene	450		37	7.4	ug/Kg	☼	03/15/16 07:01	03/23/16 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137				03/15/16 07:01	03/23/16 01:18	1
2-Fluorobiphenyl	72		25 - 119				03/15/16 07:01	03/23/16 01:18	1
2-Fluorophenol	75		25 - 110				03/15/16 07:01	03/23/16 01:18	1
Nitrobenzene-d5	66		25 - 115				03/15/16 07:01	03/23/16 01:18	1
Phenol-d5	75		31 - 110				03/15/16 07:01	03/23/16 01:18	1
Terphenyl-d14	137	X	36 - 134				03/15/16 07:01	03/23/16 01:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Barium	0.36	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 12:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 12:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 12:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 12:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 12:36	1
Manganese	1.0		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 12:36	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 12:36	1
Zinc	0.037	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 12:36	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		03/21/16 09:00	03/21/16 22:19	1
Barium	0.38	J	0.50	0.050	mg/L		03/21/16 09:00	03/21/16 22:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/21/16 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/21/16 22:19	1
Chromium	0.065		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:19	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:19	1
Copper	0.052		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:19	1
Iron	59		0.40	0.20	mg/L		03/21/16 09:00	03/21/16 22:19	1
Lead	0.24		0.0075	0.0075	mg/L		03/21/16 09:00	03/21/16 22:19	1
Manganese	0.82		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:19	1
Nickel	0.049		0.025	0.010	mg/L		03/21/16 09:00	03/21/16 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/21/16 22:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Client Sample ID: IB-4(0-1)-031016

Lab Sample ID: 500-108663-15

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.4

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		03/21/16 09:00	03/21/16 22:19	1
Zinc	0.36	J B	0.50	0.020	mg/L		03/21/16 09:00	03/21/16 22:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	0.80	0.17	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Arsenic	3.5		0.40	0.19	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Barium	60		0.40	0.073	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Beryllium	0.38		0.16	0.035	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Cadmium	0.27		0.080	0.023	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Calcium	110000	B	80	26	mg/Kg	☼	03/16/16 11:15	03/20/16 04:57	10
Chromium	7.2		0.40	0.069	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Cobalt	5.0		0.20	0.045	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Copper	9.8		0.40	0.087	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Iron	9400		8.0	3.1	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Lead	77		0.20	0.10	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Magnesium	65000	B	40	16	mg/Kg	☼	03/16/16 11:15	03/20/16 04:57	10
Manganese	380		0.40	0.079	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Nickel	9.6		0.40	0.11	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Potassium	740		20	3.3	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Selenium	0.42		0.40	0.20	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Silver	<0.20		0.20	0.047	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Sodium	1500		40	5.3	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Thallium	<0.40		0.40	0.20	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Vanadium	12		0.20	0.059	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	1
Zinc	68		0.80	0.25	mg/Kg	☼	03/16/16 11:15	03/19/16 05:23	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		03/20/16 18:00	03/21/16 20:50	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		03/20/16 18:00	03/21/16 21:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		18	9.6	ug/Kg	☼	03/18/16 15:00	03/19/16 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.63		0.200	0.200	SU			03/14/16 16:14	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
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.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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.
E	Result exceeded calibration range.

Glossary

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

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108663-1

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	04-30-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.534.5200 Fax: 708.534.5200



500-108663 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108663
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 3.0

Client		Client Project #		Preservative							Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Parameter							Comments		
Project Location/State		Lab Project #									
Sampler		Lab PM									
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TECP/SELP Metals	PH
			Date	Time							
1		FPD-3(0-1)-031016	031016	1205	2	S	X	X	X	X	X
2		FPD-3(0-1)-031016 D		1205			X	X	X	X	X
3		FPD-2(0-1)-031016		1210			X	X	X	X	X
4		FPD-1(0-1)-031016		1224			X	X	X	X	X
5		R67-3(0-1)-031016		1300			X	X	X	X	X
6		R67-2(0-1)-031016		1311			X	X	X	X	X
7		R67-1(0-1)-031016		1323			X	X	X	X	X
8		SH-2(0-1)-031016		1339			X	X	X	X	X
9		SH-1(0-1)-031016		1355			X	X	X	X	X
10		R72-2(0-1)-031016		1406			X	X	X	X	X

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Refer to Contract Other

Requested Due Date

Sample Disposal

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

Relinquished By <u>ASL</u>	Company <u>WESTON</u>	Date <u>03/10/16</u>	Time <u>16:00</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/10/16</u>	Time <u>16:00</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/10/16</u>	Time <u>16:55</u>	Received By <u>[Signature]</u>	Company <u>TA-CAP</u>	Date <u>3/10/16</u>	Time <u>16:55</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babujkumar
Company: Weston Solutions
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108663
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		7		7		7		7		7		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Parameter		VOCs		SVOCs		Total Metals		TELP/SPLP Metals		PH		
Project Location/State		Lab Project #		Parameter		VOCs		SVOCs		Total Metals		TELP/SPLP Metals		PH		
Sampler		Lab PM		Parameter		VOCs		SVOCs		Total Metals		TELP/SPLP Metals		PH		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix										Comments
11		R72-1(0-1)-031016	031016	1415	2	S	X	X	X	X	X					
12		IB-1(0-1)-031016	031016	1435	2	S	X	X	X	X	X					
13		IB-2(0-1)-031016		1445	2	S	X	X	X	X	X					
14		IB-3(0-1)-031016		1455	2	S	X	X	X	X	X					
15		IB-4(0-1)-031016		1510	2	S	X	X	X	X	X					
16		IB-5(0-1)-031016		1517	2	S	X	X	X	X	X					
17		AL3-5(0-1)-031016		1540	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days) _____
Requested Due Date _____
Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>AS</u> Company: <u>WESTON</u> Date: <u>03/10/16</u> Time: <u>1615</u>	Received By: <u>JA</u> Company: <u>JA</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Lab Courier: <u>JA</u>
Relinquished By: <u>AS</u> Company: <u>JA</u> Date: <u>3/10/16</u> Time: <u>1655</u>	Received By: <u>Shaw Scott</u> Company: <u>JA-CAT</u> Date: <u>3/10/16</u> Time: <u>1655</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments:
Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

5314 West IL 102 (ISGS Site No. 2946-5)

City: Wesley Township 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: 41.234802000 Longitude: -88.062417677

(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.234802000 Longitude: -88.062417677

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 KR-1 THROUGH KR-37, KR-40, KR-41, KR-43 THROUGH KR-54, KR-57, AND KR-58 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-5. SEE FIGURES 3-8 THROUGH 3-15 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108572-1, 500-108573-1, 500-108574-1, 500-108661-1, AND 500-108664-1. ALSO SEE FIGURES 4-8 THROUGH 4-15 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:



25 April 2016

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



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

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-1(0-1)-030916	KR-2(0-1)-030916	KR-3(0-1)-030916	KR-4(0-1)-030916	KR-4(0-1)-030916D	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-1	KR-2	KR-3	KR-4	KR-4	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	8.52	8.59	8.97	8.43	8.41	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	8.2 J	ND	ND	ND	---
Acenaphthene	7.2 J	13 J	13 J	14 J	34 J	570000
Acenaphthylene	48	22 J	34 J	24 J	18 J	---
Anthracene	68	27 J	56	73	65	1.20E+07
Benzo(a)anthracene	690 *	200 J	280 J	380 J	190 J	900 / 1100 / 1800
Benzo(a)pyrene	880 *	270 J	280 J	400 J	260 J	90 / 1300 / 2100
Benzo(b)fluoranthene	1300 *	340 J	360 J	520 J	270 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	740 *	290 J+	260 J	330 J	300 J	---
Benzo(k)fluoranthene	490 *	110 J	110 J	180 J	140 J	9000
bis(2-Ethylhexyl)phthalate	ND	520 J	ND	ND	ND	46000
Butyl benzyl phthalate	180 *	ND	ND	ND	88 J	930000
Chrysene	730 *	230 J	310 J	380 J	250 J	88000
Dibenzo(a,h)anthracene	120 *	61 J+	60 J	69 J	ND	90 / 200 / 420
Fluoranthene	900	220 J	320	440	270	3100000
Fluorene	8.9 J	7.4 J	13 J	12 J	25 J	560000
Indeno(1,2,3-cd)pyrene	600 *	210 J+	250 J	270 J	270 J	900 / 900 / 1600
Naphthalene, SVOC	ND	7.8 J	6.1 J	ND	ND	1800
Phenanthrene	220	120 J	220	210	220	---
Pyrene	2300 *	690 J	990 J	1300 J	710 J	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	2.9	2.3	1.9	1.8	2.2	11.3 / 13
Barium, Total	33	25	26	36	24	1500
Beryllium, Total	0.24	0.21	0.22	0.23	0.19	22
Cadmium, Total	0.072 J	0.095 J	0.084 J	0.091 J	0.071 J	5.2
Calcium, Total	62000 B	120000 J+	68000 J+	120000 J+	150000 J+	---
Chromium, Total	ND	ND	ND	16 B	ND	21
Cobalt, Total	3.4	3.1 J	2.6 J	2.7 J	3.4 J	20
Copper, Total	6.4	7.2	5.1	9.3	6.7	2900
Iron, Total	7800 B	5600 J	5400 J	5500 J	5000 J	15000 / 15900
Lead, Total	32	78 J	43 J	66 J	37 J	107
Magnesium, Total	26000 B	43000 J+	25000 J+	71000 J+	87000 J+	325000
Manganese, Total	320	280 J-	240 J-	250 J-	370 J-	630 / 636
Mercury, Total	0.013 J	0.016 J	0.019 J	0.014 J	0.016 J	0.89
Nickel, Total	7.8 B	7.6 J	6.2 J	7.8 J	9 J	100
Potassium, Total	470	610 J+	470 J+	590 J+	810 J+	---
Selenium, Total	0.64	0.37 J	0.54	ND	ND	1.3
Sodium, Total	1000 B	740 J-	510 J-	1300 J-	1000 J-	---
Thallium, Total	ND	ND	ND	ND	0.26 J	2.6
Vanadium, Total	8.8	8.4	8.3	8.5	6.7	550
Zinc, Total	40 B	43 J-	37 J-	55 J-	34 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.24 J	0.21 J	0.2 J	0.23 J	0.23 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0024 J	0.0026 J	0.0021 J	0.002 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.032	0.025	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.72	0.48	0.55	0.52	0.61	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.16 J	1.1 B	ND	1.2 B	0.41 J	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-1(0-1)-030916	KR-2(0-1)-030916	KR-3(0-1)-030916	KR-4(0-1)-030916	KR-4(0-1)-030916D	Soil Reference Concentrations^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-1	KR-2	KR-3	KR-4	KR-4	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.012 J	ND	0.013 J	0.05
Barium, SPLP	0.25 J	0.19 J	0.23 J	0.21 J	0.28 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.054	0.048	0.049	0.055	0.078	0.1
Cobalt, SPLP	0.013 J	0.011 J	0.015 J	0.012 J	0.017 J	1
Copper, SPLP	0.04	0.074	0.036	0.037	0.049	0.65
Iron, SPLP	52 J+	42 J+	47 J+	49 J+	75 J+	5
Lead, SPLP	0.15	0.19	0.19	0.13	0.15	0.0075
Manganese, SPLP	0.97	0.74	0.98	0.72	0.93	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.037	0.033	0.037	0.034	0.048	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	1.2 B	0.78 B	1.9 J	ND	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-5(0-1)-030916	KR-6(0-1)-030916	KR-7(0-1)-030916	KR-8(0-1)-030916	KR-9(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-5	KR-6	KR-7	KR-8	KR-9	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	8.26	8.06	8.3	8.51	7.79	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	9.1 J	ND	---
Acenaphthene	ND	ND	7.2 J	16 J	ND	570000
Acenaphthylene	25 J	41	20 J	45	9.7 J	---
Anthracene	11 J	16 J	23 J	85	15 J	1.20E+07
Benzo(a)anthracene	85	120 J	140 J	640 J	130 J	900 / 1100 / 1800
Benzo(a)pyrene	130 J	190 J	190 J	850 J	210 J	90 / 1300 / 2100
Benzo(b)fluoranthene	220 J	280 J	270 J	1200 J	250 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	71 J	160 J	180 J	790 J	260 J	---
Benzo(k)fluoranthene	66 J	120 J	100 J	460 J	120 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	380 J	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	100	140 J	160 J	710 J	210 J	88000
Dibenzo(a,h)anthracene	ND	27 J	ND	140 J	ND	90 / 200 / 420
Fluoranthene	120	180	200	640	150	3100000
Fluorene	ND	ND	7.2 J	12 J	ND	560000
Indeno(1,2,3-cd)pyrene	57 J	130 J	140 J	620 J	190 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	7.1 J	ND	1800
Phenanthrene	34	58	140	200	92	---
Pyrene	230	370 J	560 J	2000 J	520 J	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	2.4	2.8	2.5	2.5	3.9	11.3 / 13
Barium, Total	19	24	25	52	33	1500
Beryllium, Total	0.7	0.24	0.2	0.33	0.33	22
Cadmium, Total	0.08 J	0.029 J	0.041 J	0.12	0.033 J	5.2
Calcium, Total	92000 J+	77000 J+	120000 J+	68000 J+	24000 J+	---
Chromium, Total	ND	ND	11 B	14 B	ND	21
Cobalt, Total	2.6 J	3.4 J	3.5 J	3.7 J	5.7 J	20
Copper, Total	5.9	7	7.2	96	7.6	2900
Iron, Total	5900 J	6500 J	6200 J	9700 J	11000 J	15000 / 15900
Lead, Total	18 J	21 J	54 J	54 J	21 J	107
Magnesium, Total	35000 J+	33000 J+	70000 J+	29000 J+	15000 J+	325000
Manganese, Total	220 J-	260 J-	310 J-	340 J-	350 J-	630 / 636
Mercury, Total	0.011 J	0.017	0.012 J	0.024	0.013 J	0.89
Nickel, Total	7.4 J	8.5 J	7.7 J	9.8 J	15 J	100
Potassium, Total	500 J+	600 J+	570 J+	700 J+	720 J+	---
Selenium, Total	ND	ND	ND	0.55	0.49	1.3
Sodium, Total	380 J-	410 J-	700 J-	930 J-	850 J-	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	7	9.2	7.7	12	13	550
Zinc, Total	42 J-	33 J-	41 J-	58 J-	41 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.21 J	0.26 J	0.23 J	0.26 J	0.27 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0026 J	0.002 J	0.0023 J	0.0023 J	0.0024 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	0.054	0.023 J	0.02 J	0.013 J	0.014 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.4	0.45	0.7	0.91	1.1	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	1.5 B	ND	0.68 B	ND	ND	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-5(0-1)-030916	KR-6(0-1)-030916	KR-7(0-1)-030916	KR-8(0-1)-030916	KR-9(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-5	KR-6	KR-7	KR-8	KR-9	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.015 J	0.012 J	0.013 J	0.01 J	0.05
Barium, SPLP	0.15 J	0.21 J	0.23 J	0.27 J	0.18 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.031	0.046	0.069	0.064	0.042	0.1
Cobalt, SPLP	ND	0.013 J	0.016 J	0.016 J	0.01 J	1
Copper, SPLP	0.025	0.044	0.045	0.081	0.034	0.65
Iron, SPLP	29 J+	50 J+	68 J+	68 J+	40 J+	5
Lead, SPLP	0.076	0.073	0.14	0.17	0.089	0.0075
Manganese, SPLP	0.51	0.71	0.73	0.93	0.62	0.15
Mercury, SPLP	ND	ND	ND	0.00021	ND	0.002
Nickel, SPLP	0.025	0.04	0.047	0.049	0.035	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.92 B	1.3 B	1.3 B	0.62 B	3.5 B	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-10(0-1)-030916	KR-11(0-1)-030916	KR-12(0-1)-030916	KR-13(0-1)-030916	KR-14(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-10	KR-11	KR-12	KR-13	KR-14	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	8.56	8.29	8.23	8.67	7.95	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	9.9 J	ND	ND	8.2 J	---
Acenaphthene	19 J	9.8 J	ND	ND	ND	570000
Acenaphthylene	42	17 J	20 J	14 J	13 J	---
Anthracene	63 J	44 J	19 J	9.4 J	16 J	1.20E+07
Benzo(a)anthracene	290 J	230 J	120 J	66 J	99 J	900 / 1100 / 1800
Benzo(a)pyrene	300 J	290 J	170 J	100 J	97 J	90 / 1300 / 2100
Benzo(b)fluoranthene	450 J	440 J	230 J	140 J	190 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	290 J	290 J	210 J	120 J	140 J	---
Benzo(k)fluoranthene	170 J	140 J	90 J	56 J	68 J	9000
bis(2-Ethylhexyl)phthalate	ND	76 J	ND	110 J	100 J	46000
Butyl benzyl phthalate	ND	140 J	ND	ND	ND	930000
Chrysene	320 J	290 J	160 J	85 J	130 J	88000
Dibenzo(a,h)anthracene	ND	54 J	ND	ND	ND	90 / 200 / 420
Fluoranthene	350 J	310 J	140	83	140 J	3100000
Fluorene	22 J	10 J	ND	ND	7 J	560000
Indeno(1,2,3-cd)pyrene	260 J	200 J	170 J	69 J	100 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	260 J	230 J	89	43	130 J	---
Pyrene	960 J	660 J	450 J	230 J	390 J	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	2.8	1.5	1.8	2.4	2.1	11.3 / 13
Barium, Total	50	35	29	40	27 J	1500
Beryllium, Total	0.28	0.21	0.27	0.25	0.28	22
Cadmium, Total	0.11	0.19	0.092 J	0.09	0.064 J	5.2
Calcium, Total	180000 J+	110000 J+	140000 J+	63000 J+	140000 J+	---
Chromium, Total	12 B	18 B	13 B	11 B	11 B	21
Cobalt, Total	2.7 J	2.4 J	3.2 J	3 J	2.8 J	20
Copper, Total	8.3	12	7.1	7.1	6.2	2900
Iron, Total	8100 J	6500 J	6800 J	6700 J	6200 J	15000 / 15900
Lead, Total	70 J	78 J	48 J	68 J	87 J	107
Magnesium, Total	100000 J+	62000 J+	82000 J+	29000 J+	81000 J+	325000
Manganese, Total	400 J-	330 J-	340 J-	180 J-	310 J-	630 / 636
Mercury, Total	0.025	0.01 J	0.019 J	0.015 J	0.018	0.89
Nickel, Total	8.3 J	7.5 J	7.7 J	8.2 J	6.9 J	100
Potassium, Total	520 J+	490 J+	860 J+	420 J+	720 J+	---
Selenium, Total	ND	0.27 J	0.24 J	0.28 J	ND	1.3
Sodium, Total	670 J-	880 J-	1300 J-	970 J-	590 J-	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	7.2	9.6	9.2	9.1	8.2	550
Zinc, Total	48 J-	68 J-	73 J-	54 J-	37 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.25 J	0.24 J	0.23 J	0.19 J	0.25 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0023 J	0.003 J	0.0024 J	0.0025 J	0.0028 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	0.017 J	0.025	0.018 J	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.28	1.1	1.4	1	0.7	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.49 J	1.3 B	0.66 B	0.56 B	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-10(0-1)-030916	KR-11(0-1)-030916	KR-12(0-1)-030916	KR-13(0-1)-030916	KR-14(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-10	KR-11	KR-12	KR-13	KR-14	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.012 J	ND	ND	0.05
Barium, SPLP	0.27 J	0.08 J	0.27 J	0.14 J	0.085 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.065	0.024 J	0.07	0.05	0.018 J	0.1
Cobalt, SPLP	0.015 J	ND	0.017 J	ND	ND	1
Copper, SPLP	0.044	0.021 J	0.046	0.029	0.014 J	0.65
Iron, SPLP	64 J+	13 J+	65 J+	34 J+	15 J+	5
Lead, SPLP	0.19	0.12	0.18	0.22	0.15	0.0075
Manganese, SPLP	0.85	0.27	0.76	0.34	0.27	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.044	0.01 J	0.044	0.028	0.012 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.79 B	ND	0.67 B	ND	ND	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
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Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-14(0-1)-030916D	KR-15(0-1)-030916	KR-16(0-1)-030916	KR-17(0-1)-030916	KR-18(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-14	KR-15	KR-16	KR-17	KR-18	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	7.92	7.97	8.13	8.3	7.98	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	10 J	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	6.7 J	10 J	ND	4.9 J	ND	---
Anthracene	ND	9.8 J	ND	ND	13 J	1.20E+07
Benzo(a)anthracene	64 J	43 J	31 J	25 J	88 J	900 / 1100 / 1800
Benzo(a)pyrene	56 J	56 J	39 J	31 J	100 J	90 / 1300 / 2100
Benzo(b)fluoranthene	90 J	ND	70 J	47 J	210 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	130 J	90 J	30 J	ND	75 J	---
Benzo(k)fluoranthene	ND	ND	23 J	ND	65 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	130 J	87 J	130 J	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	67 J	ND	43	35	120 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	58 J	59	56	42	180	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	59 J	25 J	24 J	73 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	52 J	56	29 J	26 J	110	---
Pyrene	130 J	160 J	73	73	360 J	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	2.2	1.4	1.3	2	1.7	11.3 / 13
Barium, Total	49 J	16	24	64	23	1500
Beryllium, Total	0.25	0.23	0.19 J	0.18	0.17 J	22
Cadmium, Total	0.089	0.052 J	0.046 J	0.058 J	0.11	5.2
Calcium, Total	120000 J+	120000 J+	180000 J+	100000 J+	110000 J+	---
Chromium, Total	ND	ND	ND	ND	ND	21
Cobalt, Total	2.9 J	2.2 J	1.8 J	2.2 J	2.1 J	20
Copper, Total	7.5	5.1	4.3	7.9	5.4	2900
Iron, Total	6300 J	5600 J	4700 J	6600 J	4600 J	15000 / 15900
Lead, Total	77 J	64 J	48 J	80 J	35 J	107
Magnesium, Total	68000 J+	71000 J+	110000 J+	61000 J+	64000 J+	325000
Manganese, Total	260 J-	190 J-	220 J-	170 J-	230 J-	630 / 636
Mercury, Total	0.019	ND	0.026	0.013 J	0.017	0.89
Nickel, Total	7.6 J	6.7 J	5.3 J	6.4 J	5.7 J	100
Potassium, Total	500 J+	500 J+	600 J+	530 J+	510 J+	---
Selenium, Total	0.43	ND	ND	0.3 J	ND	1.3
Sodium, Total	780 J-	780 J-	780 J-	500 J-	640 J-	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	8.5	6.4	4.7	6.3	6.4	550
Zinc, Total	47 J-	30 J-	25 J-	23 J-	40 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.22 J	0.13 J	0.12 J	0.12 J	0.14 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0027 J	0.0024 J	0.002 J	0.0025 J	0.0024 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	0.014	ND	0.025	ND	0.0075
Manganese, TCLP	0.81	1.2	1	1.1	0.84	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.9 B	0.39 J	ND	ND	1.5 B	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
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Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-14(0-1)-030916D	KR-15(0-1)-030916	KR-16(0-1)-030916	KR-17(0-1)-030916	KR-18(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-14	KR-15	KR-16	KR-17	KR-18	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.11 J	ND	ND	0.053 J	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.024 J	ND	ND	0.016 J	0.01 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.017 J	ND	ND	0.013 J	ND	0.65
Iron, SPLP	20 J+	1.1 J+	2.2 J+	11 J+	6.4 J+	5
Lead, SPLP	0.2	0.02	0.033	0.33	0.056	0.0075
Manganese, SPLP	0.41	0.033	0.047	0.19	0.21	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.017 J	ND	ND	0.012 J	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	1.1 B	ND	ND	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
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Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-19(0-1)-030916	KR-20(0-1)-030916	KR-21(0-1)-030916	KR-22(0-1)-030916	KR-23(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-19	KR-20	KR-21	KR-22	KR-23	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	7.78	8.05	7.92	7.55	7.67	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	11 J	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	37	ND	9.1 J	ND	---
Anthracene	12 J	25 J	ND	ND	7.9 J	1.20E+07
Benzo(a)anthracene	80 J	140	38	21 J	35	900 / 1100 / 1800
Benzo(a)pyrene	85 J	180 J	52 J	27 J	36 J	90 / 1300 / 2100
Benzo(b)fluoranthene	130 J	370 J	120 J	49	66 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	120 J	95 J	28 J	23 J	21 J	---
Benzo(k)fluoranthene	42 J	120 J	35 J	19 J	25 J	9000
bis(2-Ethylhexyl)phthalate	130 J	ND	ND	ND	ND	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	120 J	200	61	34 J	41	88000
Dibenzo(a,h)anthracene	ND	20 J	ND	ND	ND	90 / 200 / 420
Fluoranthene	100 J	370 J-	110	45	81	3100000
Fluorene	ND	8.6 J	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	71 J	100 J	28 J	ND	20 J	900 / 900 / 1600
Naphthalene, SVOC	ND	7.2 J	ND	ND	ND	1800
Phenanthrene	68 J	150	39	17 J	41	---
Pyrene	280 J	350 J+	99	41	99	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	0.29 J	ND	0.21 J	5
Arsenic, Total	1.6	1.9	0.7	1.6	1.2	11.3 / 13
Barium, Total	11	27 J	6.3 J	23 J	11 J	1500
Beryllium, Total	0.15 J	0.29	0.1 J	0.14 J	0.14 J	22
Cadmium, Total	0.08 J	0.15	0.18	0.12	0.073 J	5.2
Calcium, Total	180000 J+	110000 J+	210000 J+	100000 J+	140000 J+	---
Chromium, Total	ND	10 J	ND	ND	ND	21
Cobalt, Total	1.8 J	2.7	1.1	2.2	1.8	20
Copper, Total	5.7	7.7 J-	2.9 J-	4.2 J-	3 J-	2900
Iron, Total	4300 J	6300 J-	3000 J-	4500 J-	4000 J-	15000 / 15900
Lead, Total	20 J	80 J-	8.3 J-	21 J-	16 J-	107
Magnesium, Total	110000 J+	64000 J+	130000 J+	60000 J+	85000 J+	325000
Manganese, Total	190 J-	260 J	210 J	290 J	240 J	630 / 636
Mercury, Total	0.016 J	0.014 J	ND	0.025	0.013 J	0.89
Nickel, Total	5.7 J	7.7 J	3.7 J	4.6 J	4.6 J	100
Potassium, Total	530 J+	450 J+	410 J+	400 J+	380 J+	---
Selenium, Total	ND	0.21 J	ND	ND	ND	1.3
Sodium, Total	900 J-	1100 J-	1100 J-	550 J-	430 J-	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	5.9	7.5	2.7	5.6	5.1	550
Zinc, Total	48 J-	58 J-	22 J-	33 J-	23 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.11 J	0.19 J	0.11 J	0.23 J	0.16 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0029 J	0.002 J	0.0026 J	0.0024 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.75	0.8	0.8	1.5	1.7	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-19(0-1)-030916	KR-20(0-1)-030916	KR-21(0-1)-030916	KR-22(0-1)-030916	KR-23(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	KR-19	KR-20	KR-21	KR-22	KR-23	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	0.075 J	ND	0.063 J	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.022 J	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	0.016 J	ND	ND	ND	0.65
Iron, SPLP	1.7 J+	15	0.73	6.5	4.5	5
Lead, SPLP	0.0096	0.095	ND	0.041	0.029	0.0075
Manganese, SPLP	0.048	0.26	0.015 J	0.3	0.16	0.15
Mercury, SPLP	ND	0.014 J	ND	0.025	0.013 J	0.002
Nickel, SPLP	ND	0.014 J	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.18 J	ND	ND	ND	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
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Field Sample ID	KR-24(0-1)-030916	KR-25(0-1)-030916	KR-25(0-1)-030916D	KR-26(0-1)-031016	KR-27(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	
Location ID	KR-24	KR-25	KR-25	KR-26	KR-27	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	7.7	7.41	7.12	8.86	8.51	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	6.9 J	ND	ND	---
Acenaphthene	ND	ND	ND	ND	7.9 J	570000
Acenaphthylene	5.7 J	80	50	ND	160	---
Anthracene	8.8 J	36 J	29 J	ND	52	1.20E+07
Benzo(a)anthracene	61	230	140	27 J	140	900 / 1100 / 1800
Benzo(a)pyrene	81 J	300 J	190 J	ND	240 J	90 / 1300 / 2100
Benzo(b)fluoranthene	170 J	530 J	350 J	66 J	420 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	55 J	140 J	110 J	ND	170 J	---
Benzo(k)fluoranthene	56 J	170 J	140 J	ND	160 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Butyl benzyl phthalate	ND	1500 J	220 J	ND	ND	930000
Chrysene	87	270	180	43	200	88000
Dibenzo(a,h)anthracene	ND	33 J	21 J	ND	47 J	90 / 200 / 420
Fluoranthene	150	380	270	58 J-	260	3100000
Fluorene	ND	ND	6.6 J	ND	12 J	560000
Indeno(1,2,3-cd)pyrene	54 J	170 J	110 J	22 J	160 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	7 J	1800
Phenanthrene	58	130	100	31 J	130	---
Pyrene	200	600	440	81 J+	270	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	0.33 J	ND	ND	5
Arsenic, Total	1.2	1.5	1.9	5.8 J	0.9 J	11.3 / 13
Barium, Total	14 J	21 J	26 J	54	12	1500
Beryllium, Total	0.14 J	0.19	0.23	0.41	0.17 J	22
Cadmium, Total	0.11	0.13	0.19	0.12	0.14	5.2
Calcium, Total	170000 J+	160000 J+	120000 J+	51000 J	180000 J	---
Chromium, Total	ND	10 J	13 J	14 J	9.1 J	21
Cobalt, Total	2.1	2.3	3.1	6.4	1.5	20
Copper, Total	5.3 J-	5.8 J-	9.3 J-	18 J	7.7 J	2900
Iron, Total	5300 J-	5600 J-	7500 J-	39000 J	5600 J	15000 / 15900
Lead, Total	50 J-	56 J-	89 J-	56 J	60 J	107
Magnesium, Total	100000 J+	96000 J+	70000 J+	25000 J	110000 J	325000
Manganese, Total	240 J	300 J	380 J	530 J-	260 J-	630 / 636
Mercury, Total	ND	0.0095 J	0.013 J	0.02	ND	0.89
Nickel, Total	5 J	6 J	9.4 J	16 J	5.8 J	100
Potassium, Total	470 J+	460 J+	560 J+	680 J+	390 J+	---
Selenium, Total	ND	ND	0.43 J	0.99 J-	ND	1.3
Sodium, Total	930 J-	1300 J-	1600 J-	1400 B	780 B	---
Thallium, Total	ND	ND	ND	0.36 J	ND	2.6
Vanadium, Total	5	5.5	7.5	14	4.7	550
Zinc, Total	51 J-	43 J-	60 J-	49 J	64 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.18 J	0.17 J	0.18 J	0.26 J	0.15 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0023 J	0.0026 J	0.0025 J	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	0.011 J	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.02	0.0075
Manganese, TCLP	1.1	1.3	1.1	0.63	1.3	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.012 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	0.089 J	0.15 J	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
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Illinois Department of Transportation
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Field Sample ID	KR-24(0-1)-030916	KR-25(0-1)-030916	KR-25(0-1)-030916D	KR-26(0-1)-031016	KR-27(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	
Location ID	KR-24	KR-25	KR-25	KR-26	KR-27	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	0.22 J	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	0.011 J	0.051	ND	0.1
Cobalt, SPLP	ND	ND	ND	0.011 J	ND	1
Copper, SPLP	ND	ND	ND	0.043	0.015 J	0.65
Iron, SPLP	1.8	4.6	6.8	43 J+	0.67 J+	5
Lead, SPLP	0.023	0.053	0.084	0.19	0.021	0.0075
Manganese, SPLP	0.045	0.15	0.19	0.63	0.015 J	0.15
Mercury, SPLP	ND	0.0095 J	0.013 J	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.034	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	0.38 J	0.15 J	5

Summary Table of ISGS Site No. 2946-5
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Soil Analytical Results
Illinois Department of Transportation
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Field Sample ID	KR-28(0-1)-031016	KR-28(0-1)-031016D	KR-29(0-1)-031016	KR-30(0-1)-031016	KR-31(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-28	KR-28	KR-29	KR-30	KR-31	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	8.04	8.18	8.98	8.04	8.06	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	7.5 J	ND	ND	ND	ND	---
Acenaphthene	ND	ND	8.9 J	16 J	ND	570000
Acenaphthylene	61	5.8 J	ND	20 J	11 J	---
Anthracene	18 J	9 J	16 J	41	ND	1.20E+07
Benzo(a)anthracene	52	51	110	150	28 J	900 / 1100 / 1800
Benzo(a)pyrene	77 J	67 J	140 J	190 J	54 J	90 / 1300 / 2100
Benzo(b)fluoranthene	140 J	120 J	250 J	350 J	80 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	66 J	ND	66 J	110 J	30 J	---
Benzo(k)fluoranthene	48 J	50 J	91 J	140 J	34 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	75 J	ND	46000
Butyl benzyl phthalate	110 J	78 J	ND	75 J	ND	930000
Chrysene	75	64	120	180	37	88000
Dibenzo(a,h)anthracene	ND	ND	ND	23 J	ND	90 / 200 / 420
Fluoranthene	94	120	190	320	48	3100000
Fluorene	ND	ND	ND	16 J	ND	560000
Indeno(1,2,3-cd)pyrene	53 J	ND	70 J	110 J	29 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	67	65	67	190	28 J	---
Pyrene	140	150	240	520	89	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	0.32 J	0.27 J	ND	5
Arsenic, Total	1.3 J	2.7 J	0.65 J	1.2 J	2.2 J	11.3 / 13
Barium, Total	61 J	31 J	8.7	21	21	1500
Beryllium, Total	0.21	0.24	0.11 J	0.18 J	0.18 J	22
Cadmium, Total	0.22	0.3	0.12	0.18	0.1 J	5.2
Calcium, Total	160000 J	140000 J	210000 J	180000 J	180000 J	---
Chromium, Total	5.4 J	6.7 J	7.8 J	5.6 J	5.2 J	21
Cobalt, Total	2.5	3	1.1	2	2.5	20
Copper, Total	6.3 J	9.5 J	3.4 J	6.2 J	6.4 J	2900
Iron, Total	5600 J	8700 J	4100 J	4300 J	5100 J	15000 / 15900
Lead, Total	87 J	98 J	16 J	62 J	36 J	107
Magnesium, Total	97000 J	84000 J	130000 J	110000 J	110000 J	325000
Manganese, Total	310 J-	410 J-	320 J-	250 J-	280 J-	630 / 636
Mercury, Total	0.0096 J	ND	ND	0.013 J	0.013 J	0.89
Nickel, Total	5.3 J	7.5 J	3.4 J	5.7 J	5.9 J	100
Potassium, Total	530 J+	560 J+	470 J+	510 J+	550 J+	---
Selenium, Total	ND	0.43 J	ND	ND	ND	1.3
Sodium, Total	890 B	1100 B	910 B	710 B	1300 B	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	5.8	7.7	4.3	7	5.9	550
Zinc, Total	34 J	60 J	18 J	36 J	29 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.15 J	0.17 J	0.098 J	0.21 J	0.17 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	0.035	ND	0.02 J	0.022 J	0.65
Iron, TCLP	ND	ND	0.22 J	ND	ND	5
Lead, TCLP	0.0097	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.1	0.97	1.1	0.39	0.69	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.01 J	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.99	1.2	0.38 J	0.42 J	0.19 J	5

Summary Table of ISGS Site No. 2946-5
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Illinois Department of Transportation
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Field Sample ID	KR-28(0-1)-031016	KR-28(0-1)-031016D	KR-29(0-1)-031016	KR-30(0-1)-031016	KR-31(0-1)-031016	Soil Reference Concentrations^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-28	KR-28	KR-29	KR-30	KR-31	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	0.052 J	ND	0.075 J	0.062 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	0.01 J	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.016 J	0.017 J	0.016 J	0.022 J	0.023 J	0.65
Iron, SPLP	0.85 J+	0.67 J+	0.33 J	4.4 J+	3.4 J+	5
Lead, SPLP	0.026	0.023	ND	0.065	0.021	0.0075
Manganese, SPLP	0.021 J	0.018 J	ND	0.1	0.072	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.12 J	ND	0.43 J	0.46 J	5

Summary Table of ISGS Site No. 2946-5
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Field Sample ID	KR-32(0-1)-031016	KR-33(0-1)-031016	KR-34(0-1)-031016	KR-35(0-1)-031016	KR-36(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-32	KR-33	KR-34	KR-35	KR-36	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	8.12	8	8.18	7.81	8.26	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	9.1 J	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	7.9 J	9.7 J	ND	11 J	36	---
Anthracene	5.8 J	12 J	14 J	11 J	21 J	1.20E+07
Benzo(a)anthracene	35	64	64	99 J	120	900 / 1100 / 1800
Benzo(a)pyrene	59 J	77	81 J	120 J	170 J	90 / 1300 / 2100
Benzo(b)fluoranthene	91 J	140	150 J	220 J	300 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	44 J	41	43 J	48 J	90 J	---
Benzo(k)fluoranthene	26 J	47	49 J	72 J	92 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	56	77	86	100 J	140	88000
Dibenzo(a,h)anthracene	ND	9.2 J	ND	ND	ND	90 / 200 / 420
Fluoranthene	56	160	170	140	200	3100000
Fluorene	ND	ND	ND	ND	5.3 J	560000
Indeno(1,2,3-cd)pyrene	32 J	46	44 J	60 J	93 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	37	71	85	39	80	---
Pyrene	140	120	160	290 J	370	2300000
Total Metals (mg/kg)						
Antimony, Total	0.27 J	ND	ND	ND	ND	5
Arsenic, Total	1.7 J	1.3 J	1.5 J	0.91 J	1.4 J	11.3 / 13
Barium, Total	18	18	37	11	15	1500
Beryllium, Total	0.16 J	0.15 J	0.19 J	0.13 J	0.14 J	22
Cadmium, Total	0.19	0.15	0.24	0.19	0.13	5.2
Calcium, Total	150000 J	170000 J	150000 J	170000 J	170000 J	---
Chromium, Total	3.9 J	4.1 J	5.9 J	4 J	7.1 J	21
Cobalt, Total	2.4	2.5	2.5	1.5	1.8	20
Copper, Total	4.1 J	5.1 J	7.1 J	3.9 J	6.2 J	2900
Iron, Total	4500 J	5000 J	5900 J	4200 J	4600 J	15000 / 15900
Lead, Total	42 J	31 J	71 J	13 J	48 J	107
Magnesium, Total	92000 J	110000 J	93000 J	100000 J	110000 J	325000
Manganese, Total	330 J-	360 J-	290 J-	270 J-	240 J-	630 / 636
Mercury, Total	ND	ND	0.022	ND	ND	0.89
Nickel, Total	5.2 J	4.7 J	6 J	3.7 J	4.8 J	100
Potassium, Total	480 J+	600 J+	460 J+	480 J+	540 J+	---
Selenium, Total	ND	ND	ND	ND	0.35 J	1.3
Sodium, Total	910 B	930 B	1100 B	1200 B	1300 B	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	6	5.3	6.3	3.9	5.1	550
Zinc, Total	27 J	33 J	49 J	31 J	45 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.16 J	0.13 J	0.2 J	0.11 J	0.12 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.019 J	ND	ND	0.012 J	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	4.8	ND	ND	ND	ND	5
Lead, TCLP	0.037	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.9	1.2	1.1	1.1	1.2	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.02 J	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.59	0.18 J	0.31 J	0.36 J	0.36 J	5

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Illinois Department of Transportation
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Field Sample ID	KR-32(0-1)-031016	KR-33(0-1)-031016	KR-34(0-1)-031016	KR-35(0-1)-031016	KR-36(0-1)-031016	Soil Reference Concentrations^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-32	KR-33	KR-34	KR-35	KR-36	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.055 J	0.058 J	0.058 J	ND	0.061 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	0.017 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.018 J	0.02 J	0.011 J	ND	0.02 J	0.65
Iron, SPLP	1.4 J+	1.3 J+	11 J+	0.24 J	1.3 J+	5
Lead, SPLP	0.022	0.016	0.094	ND	0.028	0.0075
Manganese, SPLP	0.036	0.034	0.19	ND	0.036	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.32 J	0.69 J+	0.3 J	ND	0.19 J	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-37(0-1)-031016	KR-40(0-1)-031016	KR-41(0-1)-031016	KR-43(0-1)-031016	KR-44(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-37	KR-40	KR-41	KR-43	KR-44	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	8.05	8.01	7.94	8.04	7.71	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	9.4 J	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	14 J	ND	ND	18 J	---
Anthracene	ND	13 J	ND	ND	19 J	1.20E+07
Benzo(a)anthracene	31 J	74 J	17 J	21 J	140 J	900 / 1100 / 1800
Benzo(a)pyrene	61 J	130 J	23 J	26 J	180 J	90 / 1300 / 2100
Benzo(b)fluoranthene	97 J	190 J	40 J	44	330 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	45 J	140 J	ND	21 J	200 J	---
Benzo(k)fluoranthene	31 J	41 J	18 J	18 J	160 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	140 J	46000
Butyl benzyl phthalate	ND	190 ND	ND	ND	ND	930000
Chrysene	48 J	110 J	23 J	31 J	210 J	88000
Dibenzo(a,h)anthracene	35	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	49	120	34 J	52	190 J-	3100000
Fluorene	ND	ND	ND	ND	6.1 J	560000
Indeno(1,2,3-cd)pyrene	39 J	82 J	ND	17 J	120 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	20 J	64	17 J	32 J	110	---
Pyrene	92 J	280 J	45	38	490 J	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	0.96 J	2.9 J	4.9 J	1.8 J	3.1 J	11.3 / 13
Barium, Total	13	37	58	31 J	41 J	1500
Beryllium, Total	0.16 J	0.31	0.44	0.19 J	0.31	22
Cadmium, Total	0.14	0.18	0.18	0.22	0.28	5.2
Calcium, Total	190000 J	99000 J	54000 J	140000 J	66000 J	---
Chromium, Total	6.8 J	14 J	10 J	4.7 J	10 J	21
Cobalt, Total	1.5	4	6.6	2.9 J	5 J	20
Copper, Total	4.4 J	11 J	12 J	5.4 J	12 J	2900
Iron, Total	4300 J	8100 J	13000 J	5600 J	8600 J	15000 / 15900
Lead, Total	18 J	89 J	64 J	260 J	66 J	107
Magnesium, Total	120000 J	60000 J	32000 J	85000 J	29000 J	325000
Manganese, Total	250 J-	370 J-	430 J-	330 J	430 J	630 / 636
Mercury, Total	ND	0.022	0.043	ND	0.016 J	0.89
Nickel, Total	4 J	10 J	13 J	5.2 J	9.1 J	100
Potassium, Total	470 J+	650 J+	830 J+	520 J+	710 J+	---
Selenium, Total	0.35 J	0.64 J-	0.52 J	ND	0.51 J	1.3
Sodium, Total	1300 B	2300 B	1200 B	1300 J+	1700 J+	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	4.7	12	17	6.8 J	13 J	550
Zinc, Total	30 J	72 J	69 J	35 B	80 B	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.12 J	0.28 J	0.27 J	0.27 J	0.24 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	0.017 J	ND	ND	0.011 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1	0.44	0.099	0.29	0.3	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.099 J	0.26 J	1.5	ND	0.26 J	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
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Field Sample ID	KR-37(0-1)-031016	KR-40(0-1)-031016	KR-41(0-1)-031016	KR-43(0-1)-031016	KR-44(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-37	KR-40	KR-41	KR-43	KR-44	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.025 J	ND	ND	0.05
Barium, SPLP	0.083 J	0.2 J	0.4 J	0.12 J	0.15 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.015 J	0.069	0.11	0.025	0.037	0.1
Cobalt, SPLP	ND	ND	0.026	ND	ND	1
Copper, SPLP	0.025	0.06	0.085	0.021 J	0.031	0.65
Iron, SPLP	7 J+	41 J+	97 J+	21 J+	31 J+	5
Lead, SPLP	0.038	0.24	0.33	0.095	0.11	0.0075
Manganese, SPLP	0.095	0.48	0.93	0.37	0.54	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.037	0.087	0.017 J	0.024 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.27 J	0.43 J	0.53 J+	0.14 J	0.22 J	5

Summary Table of ISGS Site No. 2946-5
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Field Sample ID	KR-45(0-1)-031016	KR-46(0-1)-031016	KR-47(0-1)-031016	KR-48(0-1)-031016	KR-48(0-1)-031016D	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-45	KR-46	KR-47	KR-48	KR-48	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	7.31	8	8.29	7.87	8.07	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	14 J	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	6.8 J	ND	ND	24 J	25 J	---
Anthracene	11 J	ND	9.2 J	19 J	15 J	1.20E+07
Benzo(a)anthracene	33 J	32 J	51	110 J	78	900 / 1100 / 1800
Benzo(a)pyrene	120 J	42 J	54 J	140 J	110 J	90 / 1300 / 2100
Benzo(b)fluoranthene	88 J	76 J	88 J	250 J	200 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	370 J	24 J	28 J	64 J	58 J	---
Benzo(k)fluoranthene	34 J	31 J	33 J	74 J	77 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	110 J	ND	46000
Butyl benzyl phthalate	ND	ND	ND	ND	80 J	930000
Chrysene	160 J	46	61	130 J	92	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	47	89	120	200	150	3100000
Fluorene	ND	ND	ND	5.3 J	ND	560000
Indeno(1,2,3-cd)pyrene	140 J	22 J	28 J	69 J	64 J	900 / 900 / 1600
Naphthalene, SVOC	10 J	ND	ND	ND	ND	1800
Phenanthrene	45	44	64	82	61	---
Pyrene	180 J	100	140	340 J	200 J	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	0.25 J	ND	0.3 J	5
Arsenic, Total	2.6 J	0.57 J	1.9 J	1.6 J	1.7 J	11.3 / 13
Barium, Total	38 J	7.5 J	31 J	24 J	34 J	1500
Beryllium, Total	0.27	0.12 J	0.24	0.26	0.27	22
Cadmium, Total	0.18	0.19	0.17	0.23	0.26	5.2
Calcium, Total	88000 J	190000 J	140000 J	150000 J	150000 J	---
Chromium, Total	6.7 J	2.7 J	5.5 J	7.5 J	5.3 J	21
Cobalt, Total	3.8 J	1.2 J	2.9 J	2.5 J	2.9 J	20
Copper, Total	6.7 J	3.4 J	6.6 J	7.3 J	7.1 J	2900
Iron, Total	6600 J	3800 J	6200 J	6100 J	6500 J	15000 / 15900
Lead, Total	22 J	12 J	44 J	54 J	72 J	107
Magnesium, Total	42000 J	120000 J	90000 J	93000 J	92000 J	325000
Manganese, Total	380 J	250 J	360 J	310 J	340 J	630 / 636
Mercury, Total	0.012 J	ND	0.014 J	ND	0.012 J	0.89
Nickel, Total	8.6 J	2.9 J	5.8 J	5.5 J	6 J	100
Potassium, Total	730 J+	400 J+	550 J+	590 J+	660 J+	---
Selenium, Total	ND	ND	ND	ND	0.31 J	1.3
Sodium, Total	750 J+	980 J+	1400 J+	1100 J+	660 J+	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	13 J	2.8 J	7.8 J	6.9 J	7.6 J	550
Zinc, Total	47 B	20 B	35 B	46 B	42 B	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.26 J	0.12 J	0.25 J	0.27 J	0.27 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.33	0.98	0.67	1 J	0.42 J	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.27 J	0.58 B	ND	1.4 J	0.25 J	5

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Field Sample ID	KR-45(0-1)-031016	KR-46(0-1)-031016	KR-47(0-1)-031016	KR-48(0-1)-031016	KR-48(0-1)-031016D	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-45	KR-46	KR-47	KR-48	KR-48	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.089 J	ND	0.17 J	0.099 J	0.12 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.016 J	ND	0.035	0.019 J	0.024 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.012 J	ND	0.027	0.018 J	0.025	0.65
Iron, SPLP	13 J+	2.3 J+	30 J+	14 J+	17 J+	5
Lead, SPLP	0.038	0.013	0.08	0.089	0.12	0.0075
Manganese, SPLP	0.26	0.034	0.36	0.26	0.28	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	0.025	0.011 J	0.015 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.096 J	0.026 J	0.2 J	0.12 J	0.14 J	5

Summary Table of ISGS Site No. 2946-5
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Field Sample ID	KR-49(0-1)-031016	KR-50(0-1)-031016	KR-51(0-1)-031016	KR-52(0-1)-031016	KR-53(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-49	KR-50	KR-51	KR-52	KR-53	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
Laboratory pH (s.u.)	7.58	7.81	7.7	7.92	7.68	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	7 J	ND	7 J	---
Anthracene	ND	9.5 J	18 J	ND	8.7 J	1.20E+07
Benzo(a)anthracene	38	44	100	25 J	42	900 / 1100 / 1800
Benzo(a)pyrene	53 J	55	110	34 J	69 J	90 / 1300 / 2100
Benzo(b)fluoranthene	110 J	95	190	65 J	130 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	24 J	34 J	48	21 J	62 J	---
Benzo(k)fluoranthene	33 J	34 J	71	20 J	33 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	53	66	120	38	65	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	97	120	280	69	95	3100000
Fluorene	ND	ND	6.9 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	32 J	29 J	53	20 J	39 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	39	60	130	27 J	38	---
Pyrene	100	100	230	61	140	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	0.31 J	0.28 J	0.37 J	ND	5
Arsenic, Total	2.3 J	0.64 J	1.9 J	0.9 J	0.67 J	11.3 / 13
Barium, Total	30 J	13 J	35 J	9.7 J	10 J	1500
Beryllium, Total	0.24	0.13 J	0.21 J	0.093 J	0.13 J	22
Cadmium, Total	0.19	0.21	0.22	0.18	0.19	5.2
Calcium, Total	150000 J	180000 J	160000 J	200000 J	180000 J	---
Chromium, Total	6.5 J	6.5 J	5 J	2.4 J	5.1 J	21
Cobalt, Total	3.3 J	1.5 J	3 J	1.2 J	1.1 J	20
Copper, Total	7.9 J	4.1 J	6.7 J	2.9 J	4.7 J	2900
Iron, Total	6700 J	4200 J	6000 J	3600 J	4100 J	15000 / 15900
Lead, Total	16 J	9.4 J	14 J	5.7 J	13 J	107
Magnesium, Total	89000 J	120000 J	100000 J	130000 J	120000 J	325000
Manganese, Total	380 J	300 J	350 J	260 J	260 J	630 / 636
Mercury, Total	0.012 J	ND	0.017	ND	ND	0.89
Nickel, Total	6.4 J	3 J	5.3 J	2.5 J	3.1 J	100
Potassium, Total	690 J+	410 J+	650 J+	320 J+	380 J+	---
Selenium, Total	0.55 J	ND	0.29 J	ND	ND	1.3
Sodium, Total	980 J+	1100 J+	1000 J+	1000 J+	1100 J+	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	8.2 J	3.8 J	6.9 J	2.5 J	3.3 J	550
Zinc, Total	40 B	30 B	34 B	17 B	23 B	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.25 J	0.15 J	0.28 J	0.15 J	0.3 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.2	0.86	0.91	0.75	1.2	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.73 B	0.35 J	0.53 B	ND	0.96 B	5

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Field Sample ID	KR-49(0-1)-031016	KR-50(0-1)-031016	KR-51(0-1)-031016	KR-52(0-1)-031016	KR-53(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-49	KR-50	KR-51	KR-52	KR-53	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	2946-5	2946-5	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.13 J	ND	0.088 J	ND	0.14 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.029	ND	0.014 J	ND	0.025	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.022 J	ND	0.013 J	ND	0.019 J	0.65
Iron, SPLP	25 J+	1.6 J+	14 J+	1.2 J+	22 J+	5
Lead, SPLP	0.05	ND	0.031	ND	0.065	0.0075
Manganese, SPLP	0.38	0.041	0.2	0.027	0.23	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.019 J	ND	ND	ND	0.017 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.13 J	0.053 J	0.075 J	0.13 J	0.14 J	5

Summary Table of ISGS Site No. 2946-5
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Field Sample ID	KR-54(0-1)-031016	KR-57(0-1)-031016	KR-58(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-54	KR-57	KR-58	
Depth	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	
Parameter				
Laboratory pH (s.u.)	7.8	7.66	7.85	<6.25,>9.0
VOCs (ug/kg)	None Detected			
SVOCs (ug/kg)				
2-Methylnaphthalene	ND	ND	ND	---
Acenaphthene	ND	7.8 J	ND	570000
Acenaphthylene	ND	21 J	ND	---
Anthracene	ND	32 J	6.4 J	1.20E+07
Benzo(a)anthracene	21 J	90	28 J	900 / 1100 / 1800
Benzo(a)pyrene	31 J	110 J	36 J	90 / 1300 / 2100
Benzo(b)fluoranthene	58 J	200 J	71 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	14 J	45 J	ND	---
Benzo(k)fluoranthene	16 J	67 J	23 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	46000
Butyl benzyl phthalate	ND	ND	ND	930000
Chrysene	30 J	110	39	88000
Dibenzo(a,h)anthracene	ND	ND	ND	90 / 200 / 420
Fluoranthene	54	230	77	3100000
Fluorene	ND	15 J	ND	560000
Indeno(1,2,3-cd)pyrene	ND	49 J	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	1800
Phenanthrene	22 J	140	33 J	---
Pyrene	48	210	79	2300000
Total Metals (mg/kg)				
Antimony, Total	0.25 J	ND	ND	5
Arsenic, Total	0.75 J	3.3 J	2.2 J	11.3 / 13
Barium, Total	8.7 J	69 J	34 J	1500
Beryllium, Total	0.13 J	0.37	0.25	22
Cadmium, Total	0.16	0.23	0.48	5.2
Calcium, Total	190000 J	96000 J	150000 J	---
Chromium, Total	2.5 J	8.1 J	5.4 J	21
Cobalt, Total	1.1 J	5.1 J	3.1 J	20
Copper, Total	3 J	9.4 J	6.4 J	2900
Iron, Total	3700 J	9200 J	6300 J	15000 / 15900
Lead, Total	7.7 J	54 J	23 J	107
Magnesium, Total	120000 J	45000 J	96000 J	325000
Manganese, Total	250 J	490 J	370 J	630 / 636
Mercury, Total	ND	0.023	0.041	0.89
Nickel, Total	2.8 J	8.8 J	6 J	100
Potassium, Total	380 J+	910 J+	600 J+	---
Selenium, Total	ND	0.82	0.49 J	1.3
Sodium, Total	740 J+	1100 J+	1000 J+	---
Thallium, Total	ND	ND	ND	2.6
Vanadium, Total	2.8 J	13 J	8.3 J	550
Zinc, Total	24 B	52 B	34 B	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	ND	0.05
Barium, TCLP	0.15 J	0.43 J	0.29 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	0.99	0.46	0.11	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	0.05
Zinc, TCLP	0.16 J	0.8 B	0.4 J	5

Summary Table of ISGS Site No. 2946-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	KR-54(0-1)-031016	KR-57(0-1)-031016	KR-58(0-1)-031016	Soil Reference Concentrations ^A
Sample Date	3/10/2016	3/10/2016	3/10/2016	
Location ID	KR-54	KR-57	KR-58	
Depth	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-5	2946-5	2946-5	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	ND	0.013 J	0.05
Barium, SPLP	ND	0.18 J	0.35 J	2
Beryllium, SPLP	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.0021 J	0.005
Chromium, SPLP	ND	0.028	0.073	0.1
Cobalt, SPLP	ND	ND	0.016 J	1
Copper, SPLP	ND	0.02 J	0.058	0.65
Iron, SPLP	1.1 J+	25 J+	66 J+	5
Lead, SPLP	ND	0.078	0.13	0.0075
Manganese, SPLP	0.026	0.4	1.1	0.15
Mercury, SPLP	ND	ND	ND	0.002
Nickel, SPLP	ND	0.017 J	0.05	0.1
Selenium, SPLP	ND	ND	ND	0.05
Zinc, SPLP	0.046 J	0.13 J	0.4 J	5

Notes:

--- - not applicable or value not available.

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

* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108572-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 1:27:13 PM

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

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: KR-1(0-1)-030916

Lab Sample ID: 500-108572-20

Date Collected: 03/09/16 11:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 07:23	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 07:23	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 07:23	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 07:23	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:23	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 07:23	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 07:23	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 07:23	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 07:23	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:23	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 07:23	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 07:23	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 07:23	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 07:23	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 07:23	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:23	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 07:23	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 07:23	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 07:23	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 07:23	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:23	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 07:23	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:23	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 07:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 07:23	1
Dibromofluoromethane	98		75 - 120		03/11/16 07:23	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 07:23	1
Toluene-d8 (Surr)	113		75 - 122		03/11/16 07:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	38	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
1,2-Dichlorobenzene	<170		170	42	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: KR-1(0-1)-030916

Lab Sample ID: 500-108572-20

Date Collected: 03/09/16 11:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.8

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	79	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2-Methylphenol	<170		170	56	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
3,3'-Dichlorobenzidine	<170 *		170	49	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Acenaphthene	7.2 J		35	6.3	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Acenaphthylene	48		35	4.6	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Anthracene	68		35	5.8	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Benzo[a]anthracene	690 *		35	4.7	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Benzo[a]pyrene	880 *		35	6.7	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Benzo[b]fluoranthene	1300 *		35	7.5	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Benzo[g,h,i]perylene	740 *		35	11	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Benzo[k]fluoranthene	490 *		35	10	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Bis(2-chloroethoxy)methane	<170		170	36	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Bis(2-ethylhexyl) phthalate	<170 *		170	64	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Butyl benzyl phthalate	180 *		170	66	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Carbazole	<170		170	87	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Chrysene	730 *		35	9.5	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Dibenz(a,h)anthracene	120 *		35	6.7	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Dibenzofuran	<170		170	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Fluoranthene	900		35	6.5	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Fluorene	8.9 J		35	4.9	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Hexachloroethane	<170		170	53	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: KR-1(0-1)-030916

Lab Sample ID: 500-108572-20

Date Collected: 03/09/16 11:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.8

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	600	*	35	9.0	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Isophorone	<170		170	39	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
N-Nitrosodi-n-propylamine	<70		70	43	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Phenanthrene	220		35	4.9	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Phenol	<170		170	77	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Pyrene	2300	*	35	6.9	ug/Kg	☼	03/11/16 07:06	03/18/16 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		35 - 137				03/11/16 07:06	03/18/16 14:58	1
2-Fluorobiphenyl	98		25 - 119				03/11/16 07:06	03/18/16 14:58	1
2-Fluorophenol	101		25 - 110				03/11/16 07:06	03/18/16 14:58	1
Nitrobenzene-d5	96		25 - 115				03/11/16 07:06	03/18/16 14:58	1
Phenol-d5	101		31 - 110				03/11/16 07:06	03/18/16 14:58	1
Terphenyl-d14	188	X *	36 - 134				03/11/16 07:06	03/18/16 14:58	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Barium	0.24	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 22:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 22:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 22:10	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 22:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 22:10	1
Manganese	0.72		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 22:10	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:10	1
Zinc	0.16	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 22:10	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		03/16/16 15:01	03/18/16 08:40	1
Barium	0.25	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:40	1
Chromium	0.054		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:40	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:40	1
Copper	0.040		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:40	1
Iron	52		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:43	1
Lead	0.15		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 08:40	1
Manganese	0.97		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:40	1
Nickel	0.037		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: KR-1(0-1)-030916

Lab Sample ID: 500-108572-20

Date Collected: 03/09/16 11:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.8

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		03/16/16 15:01	03/18/16 08:40	1
Zinc	0.43	J B F1	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Arsenic	2.9		0.54	0.25	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Barium	33		0.54	0.099	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Beryllium	0.24		0.22	0.047	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Cadmium	0.072	J	0.11	0.031	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Calcium	62000	B	110	35	mg/Kg	☼	03/15/16 09:35	03/16/16 22:44	10
Chromium	7.7	B	2.7	0.093	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Cobalt	3.4		0.27	0.061	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Copper	6.4		0.54	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Iron	7800	B	11	4.2	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Lead	32		0.27	0.13	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Magnesium	26000	B	5.4	2.2	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Manganese	320		0.54	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Nickel	7.8	B	0.54	0.15	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Potassium	470		27	4.4	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Selenium	0.64		0.54	0.27	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Sodium	1000	B	54	7.1	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	1
Vanadium	8.8		0.27	0.079	mg/Kg	☼	03/15/16 09:35	03/16/16 04:46	1
Zinc	40	B	1.1	0.34	mg/Kg	☼	03/15/16 09:35	03/16/16 20:56	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		03/16/16 16:00	03/17/16 17:32	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		03/17/16 16:30	03/18/16 13:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.52		0.200	0.200	SU			03/11/16 00:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 601
Phone: 708.534.5200 Fax: 708.534.



500-108572 COC

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 201
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter										Preservative Key	
Weston																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #															
IDOT 034																	
Project Location/State		Lab PM															
Wilmington, IL		Dick Wright															
Sampler																	
A. Tuckasz																	
Lab ID	MSMSD	Sample ID	Date	Time	# of Containers	Matrix	VOE	SVOC	Total Metals	TCLP/ SPLP Metals	pH						Comments
1		R30-1(0-1)-030916	3/9/16	0843	2	S	X	X	X	X	X						
2		R30-1(0-1)-030916D	3/9/16	0843	2	S	X	X	X	X	X						
3		R30-2(0-1)-030916	3/9/16	0859	2	S	X	X	X	X	X						
4		AL28-2(0-1)-030916	3/9/16	0910	2	S	X	X	X	X	X						
5		AL28-3(0-1)-030916	3/9/16	0920	2	S	X	X	X	X	X						
6		AL28-4(0-1)-030916	3/9/16	0930	2	S	X	X	X	X	X						
7		AL28-5(0-1)-030916	3/9/16	0945	2	S	X	X	X	X	X						
8		R24-1(0-1)-030916	3/9/16	0955	2	S	X	X	X	X	X						
9		R24-2(0-1)-030916	3/9/16	1005	2	S	X	X	X	X	X						
10		R24-3(0-1)-030916	3/9/16	1015	2	S	X	X	X	X	X						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>TA-CRT</u>	Date <u>3/9/16</u>	Time <u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier

TA

Shipped

Hand Delivered

Matrix Key

WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babasubramanian
Company: Weston Solutions
Address: 300 plaza Cir, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572

Chain of Custody Number: _____

Page 2 of 5

Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP /	SPLP Metals	PH					Comments	
<u>IDOT 039</u>				Date	Time														
Lab ID	MS/MSD	Sample ID																	
<u>11</u>		<u>R24-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1025</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>		<u>R24-8(0-1)-030916</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>13</u>		<u>R24-5(0-1)-030916D</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>14</u>		<u>R24-6(0-1)-030916</u>		<u>3/9/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>15</u>		<u>R23-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1105</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>16</u>		<u>R23-2(0-1)-030916</u>		<u>3/9/16</u>	<u>1110</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>17</u>		<u>R23-3(0-1)-030916</u>		<u>3/9/16</u>	<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>18</u>		<u>R23-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>19</u>		<u>R23-5(0-1)-030916</u>		<u>3/9/16</u>	<u>1132</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>20</u>		<u>KR-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1138</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By <u>Abdul M. Taufiq</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

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: 500-108573-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 1:38:27 PM

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

LINKS

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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-2(0-1)-030916

Lab Sample ID: 500-108573-1

Date Collected: 03/09/16 11:48

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 00:30	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 00:30	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		03/11/16 00:30	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 00:30	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 00:30	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 00:30	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/11/16 00:30	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 00:30	1
Dibromochloromethane	<5.4		5.4	0.63	ug/Kg	☼		03/11/16 00:30	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	☼		03/11/16 00:30	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 00:30	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 00:30	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 00:30	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/11/16 00:30	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/11/16 00:30	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 00:30	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/11/16 00:30	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 00:30	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 00:30	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 00:30	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
1,1,2-Trichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:30	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 00:30	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:30	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 00:30	1
Dibromofluoromethane	107		75 - 120		03/11/16 00:30	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 00:30	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 00:30	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	☼	03/11/16 07:16	03/17/16 19:01	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-2(0-1)-030916

Lab Sample ID: 500-108573-1

Date Collected: 03/09/16 11:48

Matrix: Solid

Date Received: 03/09/16 16:45

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	<340		340	78	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,4,6-Trichlorophenol	<340	F1	340	120	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,4-Dinitrophenol	<690	F1	690	600	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2-Methylnaphthalene	8.2	J	34	6.3	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2-Methylphenol	<170	F1	170	55	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
3,3'-Dichlorobenzidine	<170	* F1	170	48	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4,6-Dinitro-2-methylphenol	<690	F1	690	270	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4-Bromophenyl phenyl ether	<170	F1	170	45	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
4-Nitrophenol	<690		690	320	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Acenaphthene	13	J F1 F2	34	6.1	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Acenaphthylene	22	J F1	34	4.5	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Anthracene	27	J F1 F2	34	5.7	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Benzo[a]anthracene	200	* F1 F2	34	4.6	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Benzo[a]pyrene	270	* F1 F2	34	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Benzo[b]fluoranthene	340	* F1 F2	34	7.3	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Benzo[g,h,i]perylene	290	* F1	34	11	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Benzo[k]fluoranthene	110	* F1 F2	34	10	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Bis(2-ethylhexyl) phthalate	520	*	170	62	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Butyl benzyl phthalate	<170	* F1 F2	170	65	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Carbazole	<170	F2	170	85	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Chrysene	230	* F1 F2	34	9.3	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Dibenz(a,h)anthracene	61	* F1	34	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Dibenzofuran	<170	F1 F2	170	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Dimethyl phthalate	<170	F1	170	44	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Di-n-octyl phthalate	<170	F1	170	56	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Fluoranthene	220	F1 F2	34	6.3	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Fluorene	7.4	J F1 F2	34	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Hexachlorobenzene	<69	F1	69	7.9	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Hexachlorocyclopentadiene	<690	F1	690	200	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Hexachloroethane	<170	F1	170	52	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-2(0-1)-030916

Lab Sample ID: 500-108573-1

Date Collected: 03/09/16 11:48

Matrix: Solid

Date Received: 03/09/16 16:45

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	210	* F1	34	8.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Isophorone	<170		170	38	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Naphthalene	7.8	J F1 F2	34	5.2	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Nitrobenzene	<34		34	8.5	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
N-Nitrosodi-n-propylamine	<69		69	42	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
N-Nitrosodiphenylamine	<170	F1	170	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Phenanthrene	120	F1 F2	34	4.7	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Phenol	<170		170	76	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Pyrene	690	* F1 F2	34	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		35 - 137				03/11/16 07:16	03/17/16 19:01	1
2-Fluorobiphenyl	103		25 - 119				03/11/16 07:16	03/17/16 19:01	1
2-Fluorophenol	90		25 - 110				03/11/16 07:16	03/17/16 19:01	1
Nitrobenzene-d5	91		25 - 115				03/11/16 07:16	03/17/16 19:01	1
Phenol-d5	96		31 - 110				03/11/16 07:16	03/17/16 19:01	1
Terphenyl-d14	225	*X	36 - 134				03/11/16 07:16	03/17/16 19:01	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		03/16/16 14:59	03/18/16 04:01	1
Barium	0.21	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:01	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:01	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:01	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:01	1
Manganese	0.48		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:01	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:01	1
Zinc	1.1	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:01	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		03/17/16 08:30	03/18/16 20:38	1
Barium	0.19	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 20:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 20:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 20:38	1
Chromium	0.048		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:38	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:38	1
Copper	0.074		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:38	1
Iron	42		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 20:38	1
Lead	0.19		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 20:38	1
Manganese	0.74		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:38	1
Nickel	0.033		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:38	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 20:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-2(0-1)-030916

Lab Sample ID: 500-108573-1

Date Collected: 03/09/16 11:48

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.9

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		03/17/16 08:30	03/18/16 20:38	1
Zinc	1.2	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 20:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Arsenic	2.3		0.49	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Barium	25		0.49	0.090	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Beryllium	0.21		0.20	0.043	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Cadmium	0.095	J	0.099	0.029	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Calcium	120000	B	99	32	mg/Kg	☼	03/15/16 09:59	03/17/16 20:49	10
Chromium	9.8	B	2.5	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Cobalt	3.1		0.25	0.056	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Copper	7.2		0.49	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Iron	5600	B	9.9	3.8	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Lead	78		0.25	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Magnesium	43000		4.9	2.0	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Manganese	280		0.49	0.098	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Nickel	7.6	B	0.49	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Potassium	610		25	4.0	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Selenium	0.37	J	0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Sodium	740	B	49	6.5	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Vanadium	8.4		0.25	0.072	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	1
Zinc	43		0.99	0.31	mg/Kg	☼	03/15/16 09:59	03/17/16 03:28	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		03/16/16 16:00	03/17/16 15:47	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		03/17/16 16:30	03/18/16 13:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	9.3	ug/Kg	☼	03/16/16 15:00	03/17/16 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.59		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-3(0-1)-030916

Lab Sample ID: 500-108573-2

Date Collected: 03/09/16 11:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 00:56	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 00:56	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		03/11/16 00:56	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 00:56	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 00:56	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 00:56	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/11/16 00:56	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 00:56	1
Dibromochloromethane	<5.4		5.4	0.63	ug/Kg	☼		03/11/16 00:56	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	☼		03/11/16 00:56	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 00:56	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 00:56	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 00:56	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/11/16 00:56	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/11/16 00:56	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 00:56	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/11/16 00:56	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 00:56	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 00:56	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 00:56	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
1,1,2-Trichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 00:56	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 00:56	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 00:56	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 00:56	1
Dibromofluoromethane	108		75 - 120		03/11/16 00:56	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/11/16 00:56	1
Toluene-d8 (Surr)	108		75 - 122		03/11/16 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-3(0-1)-030916

Lab Sample ID: 500-108573-2

Date Collected: 03/09/16 11:55

Matrix: Solid

Date Received: 03/09/16 16:45

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	<360		360	82	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
3,3'-Dichlorobenzidine	<180 *		180	50	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Acenaphthene	13 J		36	6.5	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Acenaphthylene	34 J		36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Anthracene	56		36	6.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Benzo[a]anthracene	280 *		36	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Benzo[a]pyrene	280 *		36	7.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Benzo[b]fluoranthene	360 *		36	7.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Benzo[g,h,i]perylene	260 *		36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Benzo[k]fluoranthene	110 *		36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Bis(2-ethylhexyl) phthalate	<180 *		180	66	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Carbazole	<180		180	90	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Chrysene	310 *		36	9.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Dibenz(a,h)anthracene	60 *		36	7.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Fluoranthene	320		36	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Fluorene	13 J		36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-3(0-1)-030916

Lab Sample ID: 500-108573-2

Date Collected: 03/09/16 11:55

Matrix: Solid

Date Received: 03/09/16 16:45

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	250	*	36	9.3	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Naphthalene	6.1	J	36	5.5	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Phenanthrene	220		36	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Phenol	<180		180	80	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Pyrene	990	*	36	7.2	ug/Kg	☼	03/11/16 07:16	03/17/16 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				03/11/16 07:16	03/17/16 19:29	1
2-Fluorobiphenyl	99		25 - 119				03/11/16 07:16	03/17/16 19:29	1
2-Fluorophenol	95		25 - 110				03/11/16 07:16	03/17/16 19:29	1
Nitrobenzene-d5	87		25 - 115				03/11/16 07:16	03/17/16 19:29	1
Phenol-d5	91		31 - 110				03/11/16 07:16	03/17/16 19:29	1
Terphenyl-d14	203	X *	36 - 134				03/11/16 07:16	03/17/16 19:29	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		03/16/16 14:59	03/18/16 04:06	1
Barium	0.20	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:06	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:06	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:06	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:06	1
Manganese	0.55		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:06	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:06	1
Zinc	0.33	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/17/16 08:30	03/18/16 20:42	1
Barium	0.23	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 20:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 20:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 20:42	1
Chromium	0.049		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:42	1
Cobalt	0.015	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:42	1
Copper	0.036		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:42	1
Iron	47		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 20:42	1
Lead	0.19		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 20:42	1
Manganese	0.98		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:42	1
Nickel	0.037		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 20:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-3(0-1)-030916

Lab Sample ID: 500-108573-2

Date Collected: 03/09/16 11:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.9

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		03/17/16 08:30	03/18/16 20:42	1
Zinc	0.78	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 20:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Arsenic	1.9		0.49	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Barium	26		0.49	0.091	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Beryllium	0.22		0.20	0.043	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Cadmium	0.084	J	0.099	0.029	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Calcium	68000	B	99	32	mg/Kg	☼	03/15/16 09:59	03/17/16 20:53	10
Chromium	9.8	B	2.5	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Cobalt	2.6		0.25	0.056	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Copper	5.1		0.49	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Iron	5400	B	9.9	3.8	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Lead	43		0.25	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Magnesium	25000		4.9	2.0	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Manganese	240		0.49	0.098	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Nickel	6.2	B	0.49	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Potassium	470		25	4.0	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Selenium	0.54		0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Sodium	510	B	49	6.5	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Vanadium	8.3		0.25	0.072	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	1
Zinc	37		0.99	0.31	mg/Kg	☼	03/15/16 09:59	03/17/16 03:33	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		03/16/16 16:00	03/17/16 15:49	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		03/17/16 16:30	03/18/16 13:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.97		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916

Lab Sample ID: 500-108573-3

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 01:23	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 01:23	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 01:23	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 01:23	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 01:23	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 01:23	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 01:23	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 01:23	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 01:23	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 01:23	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 01:23	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 01:23	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 01:23	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 01:23	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 01:23	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 01:23	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 01:23	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 01:23	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 01:23	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 01:23	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 01:23	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 01:23	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 01:23	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 01:23	1
Dibromofluoromethane	108		75 - 120		03/11/16 01:23	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 01:23	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 01:23	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	☼	03/11/16 07:16	03/17/16 19:58	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916

Lab Sample ID: 500-108573-3

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
3,3'-Dichlorobenzidine	<180 *		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Acenaphthene	14 J		35	6.3	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Acenaphthylene	24 J		35	4.7	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Anthracene	73		35	5.9	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Benzo[a]anthracene	380 *		35	4.7	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Benzo[a]pyrene	400 *		35	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Benzo[b]fluoranthene	520 *		35	7.6	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Benzo[g,h,i]perylene	330 *		35	11	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Benzo[k]fluoranthene	180 *		35	10	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Bis(2-ethylhexyl) phthalate	<180 *		180	64	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Carbazole	<180		180	88	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Chrysene	380 *		35	9.6	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Dibenz(a,h)anthracene	69 *		35	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Fluoranthene	440		35	6.5	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Fluorene	12 J		35	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916

Lab Sample ID: 500-108573-3

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	270	*	35	9.1	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Phenanthrene	210		35	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Phenol	<180		180	78	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Pyrene	1300	*	35	7.0	ug/Kg	☼	03/11/16 07:16	03/17/16 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				03/11/16 07:16	03/17/16 19:58	1
2-Fluorobiphenyl	104		25 - 119				03/11/16 07:16	03/17/16 19:58	1
2-Fluorophenol	95		25 - 110				03/11/16 07:16	03/17/16 19:58	1
Nitrobenzene-d5	84		25 - 115				03/11/16 07:16	03/17/16 19:58	1
Phenol-d5	94		31 - 110				03/11/16 07:16	03/17/16 19:58	1
Terphenyl-d14	194	X *	36 - 134				03/11/16 07:16	03/17/16 19:58	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Barium	0.23	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:11	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Copper	0.032		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:11	1
Manganese	0.52		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:11	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:11	1
Zinc	1.2	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/17/16 08:30	03/18/16 20:46	1
Barium	0.21	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 20:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 20:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 20:46	1
Chromium	0.055		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:46	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:46	1
Copper	0.037		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:46	1
Iron	49		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 20:46	1
Lead	0.13		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 20:46	1
Manganese	0.72		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:46	1
Nickel	0.034		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 20:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916

Lab Sample ID: 500-108573-3

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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		03/17/16 08:30	03/18/16 20:46	1
Zinc	1.9	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 20:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.96		0.96	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Arsenic	1.8		0.48	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Barium	36		0.48	0.088	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Beryllium	0.23		0.19	0.042	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Cadmium	0.091	J	0.096	0.028	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Calcium	120000	B	96	31	mg/Kg	☼	03/15/16 09:59	03/17/16 20:57	10
Chromium	16	B	2.4	0.083	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Cobalt	2.7		0.24	0.055	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Copper	9.3		0.48	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Iron	5500	B	9.6	3.7	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Lead	66		0.24	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Magnesium	71000		48	20	mg/Kg	☼	03/15/16 09:59	03/17/16 20:57	10
Manganese	250		0.48	0.096	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Nickel	7.8	B	0.48	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Potassium	590		24	3.9	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Selenium	<0.48		0.48	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Sodium	1300	B	48	6.4	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Vanadium	8.5		0.24	0.070	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	1
Zinc	55		0.96	0.31	mg/Kg	☼	03/15/16 09:59	03/17/16 03:39	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		03/16/16 16:00	03/17/16 15:55	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		03/17/16 16:30	03/18/16 13:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	8.9	ug/Kg	☼	03/16/16 15:00	03/17/16 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.43		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916D

Lab Sample ID: 500-108573-4

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 01:48	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 01:48	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/11/16 01:48	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 01:48	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 01:48	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 01:48	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 01:48	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/11/16 01:48	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 01:48	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 01:48	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/11/16 01:48	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 01:48	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/11/16 01:48	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 01:48	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 01:48	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 01:48	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 01:48	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 01:48	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/11/16 01:48	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 01:48	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 01:48	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/11/16 01:48	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 01:48	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/11/16 01:48	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 01:48	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 01:48	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 01:48	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 01:48	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 01:48	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 01:48	1
Dibromofluoromethane	110		75 - 120		03/11/16 01:48	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 01:48	1
Toluene-d8 (Surr)	105		75 - 122		03/11/16 01:48	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	39	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916D

Lab Sample ID: 500-108573-4

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Acenaphthene	34 J		36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Acenaphthylene	18 J		36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Anthracene	65		36	6.1	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Benzo[a]anthracene	190 *		36	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Benzo[a]pyrene	260 *		36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Benzo[b]fluoranthene	270 *		36	7.9	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Benzo[g,h,i]perylene	300 *		36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Benzo[k]fluoranthene	140 *		36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Bis(2-ethylhexyl) phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Butyl benzyl phthalate	88 J *		180	69	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Carbazole	<180		180	91	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Chrysene	250 *		36	9.9	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Fluoranthene	270		36	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Fluorene	25 J		36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916D

Lab Sample ID: 500-108573-4

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.5

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	270	*	36	9.5	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Phenanthrene	220		36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Pyrene	710	*	36	7.2	ug/Kg	☼	03/11/16 07:16	03/17/16 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137				03/11/16 07:16	03/17/16 20:26	1
2-Fluorobiphenyl	110		25 - 119				03/11/16 07:16	03/17/16 20:26	1
2-Fluorophenol	102		25 - 110				03/11/16 07:16	03/17/16 20:26	1
Nitrobenzene-d5	90		25 - 115				03/11/16 07:16	03/17/16 20:26	1
Phenol-d5	98		31 - 110				03/11/16 07:16	03/17/16 20:26	1
Terphenyl-d14	190	X *	36 - 134				03/11/16 07:16	03/17/16 20:26	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		03/16/16 14:59	03/18/16 04:16	1
Barium	0.23	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:16	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:16	1
Copper	0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:16	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:16	1
Manganese	0.61		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:16	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:16	1
Zinc	0.41	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/17/16 08:30	03/18/16 20:50	1
Barium	0.28	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 20:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 20:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 20:50	1
Chromium	0.078		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:50	1
Cobalt	0.017	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:50	1
Copper	0.049		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:50	1
Iron	75		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 20:50	1
Lead	0.15		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 20:50	1
Manganese	0.93		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:50	1
Nickel	0.048		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 20:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-4(0-1)-030916D

Lab Sample ID: 500-108573-4

Date Collected: 03/09/16 12:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.5

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		03/17/16 08:30	03/18/16 20:50	1
Zinc	0.44	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 20:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.97		0.97	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Arsenic	2.2		0.49	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Barium	24		0.49	0.089	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Beryllium	0.19		0.19	0.042	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Cadmium	0.071	J	0.097	0.028	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Calcium	150000	B	97	31	mg/Kg	☼	03/15/16 09:59	03/17/16 21:01	10
Chromium	9.6	B	2.4	0.084	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Cobalt	3.4		0.24	0.055	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Copper	6.7		0.49	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Iron	5000	B	9.7	3.7	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Lead	37		0.24	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Magnesium	87000		49	20	mg/Kg	☼	03/15/16 09:59	03/17/16 21:01	10
Manganese	370		0.49	0.096	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Nickel	9.0	B	0.49	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Potassium	810		24	4.0	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Selenium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Silver	<0.24		0.24	0.057	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Sodium	1000	B	49	6.4	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Thallium	0.26	J	0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Vanadium	6.7		0.24	0.071	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	1
Zinc	34		0.97	0.31	mg/Kg	☼	03/15/16 09:59	03/17/16 03:44	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		03/16/16 16:00	03/17/16 15:57	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		03/17/16 16:30	03/18/16 13:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	8.7	ug/Kg	☼	03/16/16 15:00	03/17/16 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.41		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-5(0-1)-030916

Lab Sample ID: 500-108573-5

Date Collected: 03/09/16 12:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 02:14	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 02:14	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		03/11/16 02:14	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:14	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:14	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 02:14	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:14	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 02:14	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:14	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 02:14	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 02:14	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 02:14	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:14	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 02:14	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 02:14	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 02:14	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 02:14	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		03/11/16 02:14	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 02:14	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:14	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:14	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 02:14	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 02:14	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 02:14	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 02:14	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:14	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:14	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 02:14	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:14	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 02:14	1
Dibromofluoromethane	108		75 - 120		03/11/16 02:14	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 02:14	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 02:14	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	☼	03/11/16 07:16	03/17/16 14:46	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-5(0-1)-030916

Lab Sample ID: 500-108573-5

Date Collected: 03/09/16 12:10

Matrix: Solid

Date Received: 03/09/16 16:45

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	79	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2-Methylphenol	<170		170	55	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Acenaphthylene	25	J	34	4.5	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Anthracene	11	J	34	5.8	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Benzo[a]anthracene	85		34	4.6	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Benzo[a]pyrene	130	*	34	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Benzo[b]fluoranthene	220	*	34	7.4	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Benzo[g,h,i]perylene	71	*	34	11	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Benzo[k]fluoranthene	66	*	34	10	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Carbazole	<170		170	86	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Chrysene	100		34	9.4	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Dibenz(a,h)anthracene	<34	*	34	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Dibenzofuran	<170		170	40	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Fluoranthene	120		34	6.4	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Fluorene	<34		34	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Hexachloroethane	<170		170	52	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-5(0-1)-030916

Lab Sample ID: 500-108573-5

Date Collected: 03/09/16 12:10

Matrix: Solid

Date Received: 03/09/16 16:45

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	57	*	34	8.9	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Isophorone	<170		170	39	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Naphthalene	<34		34	5.3	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Pentachlorophenol	<700		700	550	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Phenanthrene	34		34	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Phenol	<170		170	77	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Pyrene	230		34	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		35 - 137				03/11/16 07:16	03/17/16 14:46	1
2-Fluorobiphenyl	89		25 - 119				03/11/16 07:16	03/17/16 14:46	1
2-Fluorophenol	95		25 - 110				03/11/16 07:16	03/17/16 14:46	1
Nitrobenzene-d5	88		25 - 115				03/11/16 07:16	03/17/16 14:46	1
Phenol-d5	96		31 - 110				03/11/16 07:16	03/17/16 14:46	1
Terphenyl-d14	167	X	36 - 134				03/11/16 07:16	03/17/16 14:46	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		03/16/16 14:59	03/18/16 04:22	1
Barium	0.21	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:22	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:22	1
Copper	0.054		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:22	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:22	1
Manganese	1.4		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:22	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:22	1
Zinc	1.5	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:22	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		03/17/16 08:30	03/18/16 20:54	1
Barium	0.15	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 20:54	1
Chromium	0.031		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:54	1
Copper	0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:54	1
Iron	29		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 20:54	1
Lead	0.076		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 20:54	1
Manganese	0.51		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:54	1
Nickel	0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 20:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-5(0-1)-030916

Lab Sample ID: 500-108573-5

Date Collected: 03/09/16 12:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.7

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		03/17/16 08:30	03/18/16 20:54	1
Zinc	0.92	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 20:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.83		0.83	0.17	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Arsenic	2.4		0.41	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Barium	19		0.41	0.076	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Beryllium	0.70		0.17	0.036	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Cadmium	0.080	J	0.083	0.024	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Calcium	92000	B	83	27	mg/Kg	☼	03/15/16 09:59	03/17/16 21:05	10
Chromium	6.2	B	2.1	0.071	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Cobalt	2.6		0.21	0.047	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Copper	5.9		0.41	0.090	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Iron	5900	B	8.3	3.2	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Lead	18		0.21	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Magnesium	35000		4.1	1.7	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Manganese	220		0.41	0.082	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Nickel	7.4	B	0.41	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Potassium	500		21	3.4	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Selenium	<0.41		0.41	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Silver	<0.21		0.21	0.049	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Sodium	380	B	41	5.5	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Thallium	<0.41		0.41	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Vanadium	7.0		0.21	0.061	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	1
Zinc	42		0.83	0.26	mg/Kg	☼	03/15/16 09:59	03/17/16 03:49	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		03/16/16 16:00	03/17/16 15:59	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		03/17/16 16:30	03/18/16 13:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	9.2	ug/Kg	☼	03/16/16 15:00	03/17/16 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.26		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-6(0-1)-030916

Lab Sample ID: 500-108573-6

Date Collected: 03/09/16 12:33

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 02:40	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 02:40	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		03/11/16 02:40	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:40	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:40	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:40	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 02:40	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 02:40	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:40	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:40	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/11/16 02:40	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:40	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 02:40	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:40	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 02:40	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 02:40	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 02:40	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 02:40	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 02:40	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 02:40	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:40	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 02:40	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 02:40	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 02:40	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 02:40	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 02:40	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 02:40	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 02:40	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 02:40	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 02:40	1
Dibromofluoromethane	107		75 - 120		03/11/16 02:40	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 02:40	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-6(0-1)-030916

Lab Sample ID: 500-108573-6

Date Collected: 03/09/16 12:33

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2-Methylnaphthalene	<36		36	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Acenaphthylene	41		36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Anthracene	16 J		36	6.1	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Benzo[a]anthracene	120 *		36	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Benzo[a]pyrene	190 *		36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Benzo[b]fluoranthene	280 *		36	7.9	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Benzo[g,h,i]perylene	160 *		36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Benzo[k]fluoranthene	120 *		36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Bis(2-ethylhexyl) phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Butyl benzyl phthalate	<180 *		180	70	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Carbazole	<180		180	92	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Chrysene	140 *		36	10	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Dibenz(a,h)anthracene	27 J *		36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Fluoranthene	180		36	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Fluorene	<36		36	5.2	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-6(0-1)-030916

Lab Sample ID: 500-108573-6

Date Collected: 03/09/16 12:33

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130	*	36	9.5	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Naphthalene	<36		36	5.7	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Phenanthrene	58		36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Phenol	<180		180	82	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Pyrene	370	*	36	7.3	ug/Kg	☼	03/11/16 07:16	03/17/16 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		35 - 137				03/11/16 07:16	03/17/16 15:14	1
2-Fluorobiphenyl	95		25 - 119				03/11/16 07:16	03/17/16 15:14	1
2-Fluorophenol	102		25 - 110				03/11/16 07:16	03/17/16 15:14	1
Nitrobenzene-d5	95		25 - 115				03/11/16 07:16	03/17/16 15:14	1
Phenol-d5	93		31 - 110				03/11/16 07:16	03/17/16 15:14	1
Terphenyl-d14	195	X *	36 - 134				03/11/16 07:16	03/17/16 15:14	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		03/16/16 14:59	03/18/16 04:27	1
Barium	0.26	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:27	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:27	1
Copper	0.023	J	0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:27	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:27	1
Manganese	0.45		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:27	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:27	1
Zinc	0.29	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:27	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		03/17/16 08:30	03/18/16 21:07	1
Barium	0.21	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:07	1
Chromium	0.046		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:07	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:07	1
Copper	0.044		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:07	1
Iron	50		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:07	1
Lead	0.073		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:07	1
Manganese	0.71		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:07	1
Nickel	0.040		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:07	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-6(0-1)-030916

Lab Sample ID: 500-108573-6

Date Collected: 03/09/16 12:33

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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		03/17/16 08:30	03/18/16 21:07	1
Zinc	1.3	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.78		0.78	0.16	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Arsenic	2.8		0.39	0.18	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Barium	24		0.39	0.072	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Beryllium	0.24		0.16	0.034	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Cadmium	0.029	J	0.078	0.023	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Calcium	77000	B	78	25	mg/Kg	☼	03/15/16 09:59	03/17/16 21:09	10
Chromium	7.6	B	2.0	0.067	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Cobalt	3.4		0.20	0.044	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Copper	7.0		0.39	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Iron	6500	B	7.8	3.0	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Lead	21		0.20	0.098	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Magnesium	33000		3.9	1.6	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Manganese	260		0.39	0.078	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Nickel	8.5	B	0.39	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Potassium	600		20	3.2	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Selenium	<0.39		0.39	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Silver	<0.20		0.20	0.046	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Sodium	410	B	39	5.2	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Thallium	<0.39		0.39	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Vanadium	9.2		0.20	0.057	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1
Zinc	33		0.78	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 03:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/16/16 16:00	03/17/16 16:04	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		03/17/16 16:30	03/18/16 13:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.06		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-7(0-1)-030916

Lab Sample ID: 500-108573-7

Date Collected: 03/09/16 12:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 03:06	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 03:06	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		03/11/16 03:06	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 03:06	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 03:06	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 03:06	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 03:06	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/11/16 03:06	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 03:06	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 03:06	1
Dibromochloromethane	<5.4		5.4	0.63	ug/Kg	☼		03/11/16 03:06	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	☼		03/11/16 03:06	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 03:06	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 03:06	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 03:06	1
Ethylbenzene	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 03:06	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/11/16 03:06	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/11/16 03:06	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 03:06	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 03:06	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 03:06	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/11/16 03:06	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 03:06	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 03:06	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 03:06	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 03:06	1
1,1,2-Trichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 03:06	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 03:06	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 03:06	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 03:06	1
Dibromofluoromethane	110		75 - 120		03/11/16 03:06	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/11/16 03:06	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 03:06	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	☼	03/11/16 07:16	03/16/16 20:46	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-7(0-1)-030916

Lab Sample ID: 500-108573-7

Date Collected: 03/09/16 12:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.8

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	81	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,4-Dinitrophenol	<720		720	620	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
3,3'-Dichlorobenzidine	<180 *		180	50	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4,6-Dinitro-2-methylphenol	<720		720	280	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Acenaphthene	7.2 J		35	6.4	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Acenaphthylene	20 J		35	4.7	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Anthracene	23 J		35	5.9	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Benzo[a]anthracene	140 *		35	4.8	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Benzo[a]pyrene	190 *		35	6.9	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Benzo[b]fluoranthene	270 *		35	7.7	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Benzo[g,h,i]perylene	180 *		35	11	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Benzo[k]fluoranthene	100 *		35	10	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Bis(2-ethylhexyl) phthalate	<180 *		180	65	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Carbazole	<180		180	89	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Chrysene	160 *		35	9.7	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Dibenz(a,h)anthracene	<35 *		35	6.9	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Fluoranthene	200		35	6.6	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Fluorene	7.2 J		35	5.0	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-7(0-1)-030916

Lab Sample ID: 500-108573-7

Date Collected: 03/09/16 12:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.8

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	140	*	35	9.2	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Naphthalene	<35		35	5.5	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
N-Nitrosodi-n-propylamine	<72		72	43	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Phenanthrene	140		35	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Phenol	<180		180	79	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Pyrene	560	*	35	7.0	ug/Kg	☼	03/11/16 07:16	03/16/16 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		35 - 137				03/11/16 07:16	03/16/16 20:46	1
2-Fluorobiphenyl	93		25 - 119				03/11/16 07:16	03/16/16 20:46	1
2-Fluorophenol	95		25 - 110				03/11/16 07:16	03/16/16 20:46	1
Nitrobenzene-d5	89		25 - 115				03/11/16 07:16	03/16/16 20:46	1
Phenol-d5	91		31 - 110				03/11/16 07:16	03/16/16 20:46	1
Terphenyl-d14	212	*X	36 - 134				03/11/16 07:16	03/16/16 20:46	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		03/16/16 14:59	03/18/16 04:32	1
Barium	0.23	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:32	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:32	1
Copper	0.020	J	0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:32	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:32	1
Manganese	0.70		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:32	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:32	1
Zinc	0.68	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/17/16 08:30	03/18/16 21:11	1
Barium	0.23	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:11	1
Chromium	0.069		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:11	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:11	1
Copper	0.045		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:11	1
Iron	68		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:11	1
Lead	0.14		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:11	1
Manganese	0.73		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:11	1
Nickel	0.047		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-7(0-1)-030916

Lab Sample ID: 500-108573-7

Date Collected: 03/09/16 12:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.8

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		03/17/16 08:30	03/18/16 21:11	1
Zinc	1.3	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.93		0.93	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Arsenic	2.5		0.46	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Barium	25		0.46	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Beryllium	0.20		0.19	0.040	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Cadmium	0.041	J	0.093	0.027	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Calcium	120000	B	93	30	mg/Kg	☼	03/15/16 09:59	03/17/16 21:21	10
Chromium	11	B	2.3	0.080	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Cobalt	3.5		0.23	0.052	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Copper	7.2		0.46	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Iron	6200	B	9.3	3.6	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Lead	54		0.23	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Magnesium	70000		46	19	mg/Kg	☼	03/15/16 09:59	03/17/16 21:21	10
Manganese	310		0.46	0.092	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Nickel	7.7	B	0.46	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Potassium	570		23	3.8	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Selenium	<0.46		0.46	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Silver	<0.23		0.23	0.054	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Sodium	700	B	46	6.1	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Vanadium	7.7		0.23	0.068	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	1
Zinc	41		0.93	0.29	mg/Kg	☼	03/15/16 09:59	03/17/16 03:59	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		03/16/16 16:00	03/17/16 16:06	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		03/17/16 16:30	03/18/16 13:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	16	8.5	ug/Kg	☼	03/16/16 15:00	03/17/16 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-8(0-1)-030916

Lab Sample ID: 500-108573-8

Date Collected: 03/09/16 12:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 03:32	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 03:32	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		03/11/16 03:32	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:32	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:32	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:32	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:32	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:32	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 03:32	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 03:32	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:32	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:32	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 03:32	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/11/16 03:32	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:32	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		03/11/16 03:32	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:32	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 03:32	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 03:32	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:32	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 03:32	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 03:32	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:32	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:32	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:32	1
Styrene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 03:32	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.91	ug/Kg	☼		03/11/16 03:32	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:32	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 03:32	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:32	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 03:32	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 03:32	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 03:32	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 03:32	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:32	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 03:32	1
Dibromofluoromethane	109		75 - 120		03/11/16 03:32	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/11/16 03:32	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-8(0-1)-030916

Lab Sample ID: 500-108573-8

Date Collected: 03/09/16 12:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2-Methylnaphthalene	9.1	J	36	6.7	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
3,3'-Dichlorobenzidine	<180	*	180	51	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Acenaphthene	16	J	36	6.6	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Acenaphthylene	45		36	4.8	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Anthracene	85		36	6.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Benzo[a]anthracene	640	*	36	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Benzo[a]pyrene	850	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Benzo[b]fluoranthene	1200	*	36	7.9	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Benzo[g,h,i]perylene	790	*	36	12	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Benzo[k]fluoranthene	460	*	36	11	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Bis(2-ethylhexyl) phthalate	<180	*	180	67	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Butyl benzyl phthalate	<180	*	180	70	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Carbazole	<180		180	92	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Chrysene	710	*	36	10	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Dibenz(a,h)anthracene	140	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Fluoranthene	640		36	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Fluorene	12	J	36	5.2	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-8(0-1)-030916

Lab Sample ID: 500-108573-8

Date Collected: 03/09/16 12:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.8

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	620	*	36	9.5	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Naphthalene	7.1	J	36	5.6	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Phenanthrene	200		36	5.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Pyrene	2000	*	36	7.3	ug/Kg	☼	03/11/16 07:16	03/16/16 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 137				03/11/16 07:16	03/16/16 21:14	1
2-Fluorobiphenyl	88		25 - 119				03/11/16 07:16	03/16/16 21:14	1
2-Fluorophenol	87		25 - 110				03/11/16 07:16	03/16/16 21:14	1
Nitrobenzene-d5	80		25 - 115				03/11/16 07:16	03/16/16 21:14	1
Phenol-d5	86		31 - 110				03/11/16 07:16	03/16/16 21:14	1
Terphenyl-d14	192	*X	36 - 134				03/11/16 07:16	03/16/16 21:14	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		03/16/16 14:59	03/18/16 04:37	1
Barium	0.26	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:37	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:37	1
Copper	0.013	J	0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:37	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:37	1
Manganese	0.91		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:37	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:37	1
Zinc	0.30	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/17/16 08:30	03/18/16 21:15	1
Barium	0.27	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:15	1
Chromium	0.064		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:15	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:15	1
Copper	0.081		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:15	1
Iron	68		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:15	1
Lead	0.17		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:15	1
Manganese	0.93		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:15	1
Nickel	0.049		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-8(0-1)-030916

Lab Sample ID: 500-108573-8

Date Collected: 03/09/16 12:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.8

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		03/17/16 08:30	03/18/16 21:15	1
Zinc	0.62	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.97		0.97	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Arsenic	2.5		0.48	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Barium	52		0.48	0.089	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Beryllium	0.33		0.19	0.042	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Cadmium	0.12		0.097	0.028	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Calcium	68000	B	97	31	mg/Kg	☼	03/15/16 09:59	03/17/16 21:25	10
Chromium	14	B	2.4	0.083	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Cobalt	3.7		0.24	0.055	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Copper	96		0.48	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Iron	9700	B	9.7	3.7	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Lead	54		0.24	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Magnesium	29000		4.8	2.0	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Manganese	340		0.48	0.096	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Nickel	9.8	B	0.48	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Potassium	700		24	4.0	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Selenium	0.55		0.48	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Silver	<0.24		0.24	0.057	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Sodium	930	B	48	6.4	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Vanadium	12		0.24	0.071	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	1
Zinc	58		0.97	0.31	mg/Kg	☼	03/15/16 09:59	03/17/16 04:13	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		03/16/16 16:00	03/17/16 16:08	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.20	0.20	ug/L		03/17/16 16:30	03/18/16 13:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		18	9.5	ug/Kg	☼	03/16/16 15:00	03/17/16 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.51		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-9(0-1)-030916

Lab Sample ID: 500-108573-9

Date Collected: 03/09/16 13:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 03:58	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 03:58	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 03:58	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 03:58	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 03:58	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 03:58	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 03:58	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 03:58	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 03:58	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 03:58	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/11/16 03:58	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 03:58	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 03:58	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 03:58	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 03:58	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 03:58	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 03:58	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 03:58	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 03:58	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 03:58	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 03:58	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 03:58	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 03:58	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 03:58	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 03:58	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 03:58	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 03:58	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 03:58	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 03:58	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 03:58	1
Dibromofluoromethane	110		75 - 120		03/11/16 03:58	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/11/16 03:58	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 03:58	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	☼	03/11/16 07:16	03/16/16 21:43	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-9(0-1)-030916

Lab Sample ID: 500-108573-9

Date Collected: 03/09/16 13:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
3,3'-Dichlorobenzidine	<180 *		180	49	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Acenaphthylene	9.7 J		35	4.6	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Anthracene	15 J		35	5.8	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Benzo[a]anthracene	130 *		35	4.7	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Benzo[a]pyrene	210 *		35	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Benzo[b]fluoranthene	250 *		35	7.6	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Benzo[g,h,i]perylene	260 *		35	11	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Benzo[k]fluoranthene	120 *		35	10	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Bis(2-ethylhexyl) phthalate	380 *		180	64	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Carbazole	<180		180	87	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Chrysene	210 *		35	9.5	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Dibenz(a,h)anthracene	<35 *		35	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Fluoranthene	150		35	6.5	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Fluorene	<35		35	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Hexachloroethane	<180		180	53	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-9(0-1)-030916

Lab Sample ID: 500-108573-9

Date Collected: 03/09/16 13:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190	*	35	9.1	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Isophorone	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Phenanthrene	92		35	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Phenol	<180		180	78	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Pyrene	520	*	35	7.0	ug/Kg	☼	03/11/16 07:16	03/16/16 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137				03/11/16 07:16	03/16/16 21:43	1
2-Fluorobiphenyl	96		25 - 119				03/11/16 07:16	03/16/16 21:43	1
2-Fluorophenol	96		25 - 110				03/11/16 07:16	03/16/16 21:43	1
Nitrobenzene-d5	88		25 - 115				03/11/16 07:16	03/16/16 21:43	1
Phenol-d5	94		31 - 110				03/11/16 07:16	03/16/16 21:43	1
Terphenyl-d14	199	*X	36 - 134				03/11/16 07:16	03/16/16 21:43	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		03/16/16 14:59	03/18/16 04:50	1
Barium	0.27	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:50	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:50	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:50	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:50	1
Copper	0.014	J	0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:50	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:50	1
Manganese	1.1		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:50	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:50	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:50	1
Zinc	0.36	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		03/17/16 08:30	03/18/16 21:19	1
Barium	0.18	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:19	1
Chromium	0.042		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:19	1
Cobalt	0.010	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:19	1
Copper	0.034		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:19	1
Iron	40		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:19	1
Lead	0.089		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:19	1
Manganese	0.62		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:19	1
Nickel	0.035		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-9(0-1)-030916

Lab Sample ID: 500-108573-9

Date Collected: 03/09/16 13:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

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		03/17/16 08:30	03/18/16 21:19	1
Zinc	3.5	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.85		0.85	0.18	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Arsenic	3.9		0.43	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Barium	33		0.43	0.078	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Beryllium	0.33		0.17	0.037	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Cadmium	0.033	J	0.085	0.025	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Calcium	24000	B	8.5	2.7	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Chromium	9.4	B	2.1	0.073	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Cobalt	5.7		0.21	0.048	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Copper	7.6		0.43	0.093	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Iron	11000	B	8.5	3.3	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Lead	21		0.21	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Magnesium	15000		4.3	1.7	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Manganese	350		0.43	0.084	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Nickel	15	B	0.43	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Potassium	720		21	3.5	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Selenium	0.49		0.43	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Silver	<0.21		0.21	0.050	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Sodium	850	B	43	5.6	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Thallium	<0.43		0.43	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Vanadium	13		0.21	0.062	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	1
Zinc	41		0.85	0.27	mg/Kg	☼	03/15/16 09:59	03/17/16 04:18	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		03/16/16 16:00	03/17/16 16:10	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		03/17/16 16:30	03/18/16 13:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.79		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-10(0-1)-030916

Lab Sample ID: 500-108573-10

Date Collected: 03/09/16 13:12

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 04:24	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 04:24	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		03/11/16 04:24	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 04:24	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		03/11/16 04:24	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/11/16 04:24	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 04:24	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 04:24	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/11/16 04:24	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/11/16 04:24	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 04:24	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 04:24	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 04:24	1
Dibromochloromethane	<5.9		5.9	0.67	ug/Kg	☼		03/11/16 04:24	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 04:24	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/11/16 04:24	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/11/16 04:24	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 04:24	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/11/16 04:24	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 04:24	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/11/16 04:24	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		03/11/16 04:24	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/11/16 04:24	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 04:24	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 04:24	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 04:24	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		03/11/16 04:24	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 04:24	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		03/11/16 04:24	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 04:24	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/11/16 04:24	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 04:24	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/11/16 04:24	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/11/16 04:24	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 04:24	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/11/16 04:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 04:24	1
Dibromofluoromethane	110		75 - 120		03/11/16 04:24	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/11/16 04:24	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 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	<190		190	40	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-10(0-1)-030916

Lab Sample ID: 500-108573-10

Date Collected: 03/09/16 13:12

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4,6-Dinitro-2-methylphenol	<750 *		750	300	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4-Bromophenyl phenyl ether	<190 *		190	49	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Acenaphthene	19 J		37	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Acenaphthylene	42		37	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Anthracene	63 *		37	6.2	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Benzo[a]anthracene	290 *		37	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Benzo[a]pyrene	300 *		37	7.2	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Benzo[b]fluoranthene	450 *		37	8.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Benzo[g,h,i]perylene	290 *		37	12	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Benzo[k]fluoranthene	170 *		37	11	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Bis(2-ethylhexyl) phthalate	<190 *		190	68	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Butyl benzyl phthalate	<190 *		190	71	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Carbazole	<190 *		190	93	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Chrysene	320 *		37	10	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Dibenz(a,h)anthracene	<37 *		37	7.2	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Di-n-butyl phthalate	<190 *		190	57	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Di-n-octyl phthalate	<190 *		190	61	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Fluoranthene	350 *		37	6.9	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Fluorene	22 J		37	5.2	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Hexachlorobenzene	<75 *		75	8.7	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-10(0-1)-030916

Lab Sample ID: 500-108573-10

Date Collected: 03/09/16 13:12

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

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	260	*	37	9.7	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
N-Nitrosodiphenylamine	<190	*	190	44	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Pentachlorophenol	<750	*	750	600	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Phenanthrene	260	*	37	5.2	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Pyrene	960	*	37	7.4	ug/Kg	☼	03/11/16 07:16	03/17/16 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		35 - 137				03/11/16 07:16	03/17/16 22:20	1
2-Fluorobiphenyl	113		25 - 119				03/11/16 07:16	03/17/16 22:20	1
2-Fluorophenol	108		25 - 110				03/11/16 07:16	03/17/16 22:20	1
Nitrobenzene-d5	78		25 - 115				03/11/16 07:16	03/17/16 22:20	1
Phenol-d5	103		31 - 110				03/11/16 07:16	03/17/16 22:20	1
Terphenyl-d14	173	X*	36 - 134				03/11/16 07:16	03/17/16 22:20	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		03/16/16 14:59	03/18/16 04:55	1
Barium	0.25	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 04:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 04:55	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 04:55	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:55	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:55	1
Copper	0.017	J	0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:55	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 04:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 04:55	1
Manganese	0.28		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:55	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:55	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 04:55	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 04:55	1
Zinc	0.18	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 04:55	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		03/17/16 08:30	03/18/16 21:23	1
Barium	0.27	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:23	1
Chromium	0.065		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:23	1
Cobalt	0.015	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:23	1
Copper	0.044		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:23	1
Iron	64		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:23	1
Lead	0.19		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:23	1
Manganese	0.85		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:23	1
Nickel	0.044		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-10(0-1)-030916

Lab Sample ID: 500-108573-10

Date Collected: 03/09/16 13:12

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

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		03/17/16 08:30	03/18/16 21:23	1
Zinc	0.79	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Arsenic	2.8		0.51	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Barium	50		0.51	0.094	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Beryllium	0.28		0.21	0.045	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Cadmium	0.11		0.10	0.030	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Calcium	180000	B	100	33	mg/Kg	☼	03/15/16 09:59	03/17/16 21:30	10
Chromium	12	B	2.6	0.088	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Cobalt	2.7		0.26	0.058	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Copper	8.3		0.51	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Iron	8100	B	10	4.0	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Lead	70		0.26	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Magnesium	100000		51	21	mg/Kg	☼	03/15/16 09:59	03/17/16 21:30	10
Manganese	400		0.51	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Nickel	8.3	B	0.51	0.14	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Potassium	520		26	4.2	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Sodium	670	B	51	6.8	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Vanadium	7.2		0.26	0.075	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	1
Zinc	48		1.0	0.33	mg/Kg	☼	03/15/16 09:59	03/17/16 04:23	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		03/16/16 16:00	03/17/16 16:12	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		03/17/16 16:30	03/18/16 13:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		19	10	ug/Kg	☼	03/16/16 15:00	03/17/16 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.56		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-11(0-1)-030916

Lab Sample ID: 500-108573-11

Date Collected: 03/09/16 13:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 04:50	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 04:50	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 04:50	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 04:50	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 04:50	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 04:50	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 04:50	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 04:50	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 04:50	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 04:50	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/11/16 04:50	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 04:50	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 04:50	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 04:50	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 04:50	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 04:50	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 04:50	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 04:50	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 04:50	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 04:50	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 04:50	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/11/16 04:50	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 04:50	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 04:50	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 04:50	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 04:50	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 04:50	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 04:50	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 04:50	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 04:50	1
Dibromofluoromethane	111		75 - 120		03/11/16 04:50	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/11/16 04:50	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-11(0-1)-030916

Lab Sample ID: 500-108573-11

Date Collected: 03/09/16 13:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2-Methylnaphthalene	9.9	J	36	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
3,3'-Dichlorobenzidine	<180	*	180	51	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4,6-Dinitro-2-methylphenol	<740	*	740	290	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4-Bromophenyl phenyl ether	<180	*	180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Acenaphthene	9.8	J	36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Acenaphthylene	17	J	36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Anthracene	44	*	36	6.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Benzo[a]anthracene	230	*	36	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Benzo[a]pyrene	290	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Benzo[b]fluoranthene	440	*	36	7.9	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Benzo[g,h,i]perylene	290	*	36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Benzo[k]fluoranthene	140	*	36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Bis(2-ethylhexyl) phthalate	76	J *	180	67	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Butyl benzyl phthalate	140	J *	180	70	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Carbazole	<180	*	180	91	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Chrysene	290	*	36	10	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Dibenz(a,h)anthracene	54	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Di-n-butyl phthalate	<180	*	180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Di-n-octyl phthalate	<180	*	180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Fluoranthene	310	*	36	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Fluorene	10	J	36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Hexachlorobenzene	<74	*	74	8.5	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-11(0-1)-030916

Lab Sample ID: 500-108573-11

Date Collected: 03/09/16 13:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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	200	*	36	9.5	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
N-Nitrosodiphenylamine	<180	*	180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Pentachlorophenol	<740	*	740	590	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Phenanthrene	230	*	36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Pyrene	660	*	36	7.3	ug/Kg	☼	03/11/16 07:16	03/17/16 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				03/11/16 07:16	03/17/16 22:48	1
2-Fluorobiphenyl	119		25 - 119				03/11/16 07:16	03/17/16 22:48	1
2-Fluorophenol	102		25 - 110				03/11/16 07:16	03/17/16 22:48	1
Nitrobenzene-d5	91		25 - 115				03/11/16 07:16	03/17/16 22:48	1
Phenol-d5	95		31 - 110				03/11/16 07:16	03/17/16 22:48	1
Terphenyl-d14	162	X *	36 - 134				03/11/16 07:16	03/17/16 22:48	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		03/16/16 14:59	03/18/16 05:00	1
Barium	0.24	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:00	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:00	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:00	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:00	1
Copper	0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:00	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:00	1
Manganese	1.1		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:00	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:00	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:00	1
Zinc	0.49	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:00	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		03/17/16 08:30	03/18/16 21:27	1
Barium	0.080	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:27	1
Chromium	0.024	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:27	1
Copper	0.021	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:27	1
Iron	13		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:27	1
Lead	0.12		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:27	1
Manganese	0.27		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:27	1
Nickel	0.010	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-11(0-1)-030916

Lab Sample ID: 500-108573-11

Date Collected: 03/09/16 13:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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		03/17/16 08:30	03/18/16 21:27	1
Zinc	0.42	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.86		0.86	0.18	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Arsenic	1.5		0.43	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Barium	35		0.43	0.079	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Beryllium	0.21		0.17	0.037	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Cadmium	0.19		0.086	0.025	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Calcium	110000	B	86	28	mg/Kg	☼	03/15/16 09:59	03/17/16 21:34	10
Chromium	18	B	2.2	0.074	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Cobalt	2.4		0.22	0.049	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Copper	12		0.43	0.094	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Iron	6500	B	8.6	3.3	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Lead	78		0.22	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Magnesium	62000		43	18	mg/Kg	☼	03/15/16 09:59	03/17/16 21:34	10
Manganese	330		0.43	0.086	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Nickel	7.5	B	0.43	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Potassium	490		22	3.5	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Selenium	0.27	J	0.43	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Silver	<0.22		0.22	0.051	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Sodium	880	B	43	5.7	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Thallium	<0.43		0.43	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Vanadium	9.6		0.22	0.063	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	1
Zinc	68		0.86	0.27	mg/Kg	☼	03/15/16 09:59	03/17/16 04:28	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		03/16/16 16:00	03/17/16 16:14	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		03/17/16 16:30	03/18/16 13:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10	J	17	9.1	ug/Kg	☼	03/16/16 15:00	03/17/16 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.29		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-12(0-1)-030916

Lab Sample ID: 500-108573-12

Date Collected: 03/09/16 13:49

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 05:16	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 05:16	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/11/16 05:16	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 05:16	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 05:16	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 05:16	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 05:16	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 05:16	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 05:16	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 05:16	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 05:16	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/11/16 05:16	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 05:16	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/11/16 05:16	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 05:16	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 05:16	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 05:16	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 05:16	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 05:16	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 05:16	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 05:16	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/11/16 05:16	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 05:16	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 05:16	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 05:16	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 05:16	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 05:16	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 05:16	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 05:16	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/11/16 05:16	1
Dibromofluoromethane	109		75 - 120		03/11/16 05:16	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		03/11/16 05:16	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 05:16	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	☼	03/11/16 07:16	03/16/16 22:11	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-12(0-1)-030916

Lab Sample ID: 500-108573-12

Date Collected: 03/09/16 13:49

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Acenaphthylene	20 J		37	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Anthracene	19 J		37	6.2	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Benzo[a]anthracene	120 *		37	5.0	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Benzo[a]pyrene	170 *		37	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Benzo[b]fluoranthene	230 *		37	8.0	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Benzo[g,h,i]perylene	210 *		37	12	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Benzo[k]fluoranthene	90 *		37	11	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Bis(2-ethylhexyl) phthalate	<190 *		190	67	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Butyl benzyl phthalate	<190 *		190	70	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Carbazole	<190		190	92	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Chrysene	160 *		37	10	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Dibenz(a,h)anthracene	<37 *		37	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Fluoranthene	140		37	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-12(0-1)-030916

Lab Sample ID: 500-108573-12

Date Collected: 03/09/16 13:49

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	170	*	37	9.6	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Isophorone	<190		190	41	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Phenanthrene	89		37	5.1	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Phenol	<190		190	82	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Pyrene	450	*	37	7.3	ug/Kg	☼	03/11/16 07:16	03/16/16 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/11/16 07:16	03/16/16 22:11	1
2-Fluorobiphenyl	91		25 - 119				03/11/16 07:16	03/16/16 22:11	1
2-Fluorophenol	90		25 - 110				03/11/16 07:16	03/16/16 22:11	1
Nitrobenzene-d5	83		25 - 115				03/11/16 07:16	03/16/16 22:11	1
Phenol-d5	84		31 - 110				03/11/16 07:16	03/16/16 22:11	1
Terphenyl-d14	188	*X	36 - 134				03/11/16 07:16	03/16/16 22:11	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		03/16/16 14:59	03/18/16 05:05	1
Barium	0.23	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:05	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:05	1
Copper	0.018	J	0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:05	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:05	1
Manganese	1.4		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:05	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:05	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:05	1
Zinc	1.3	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/17/16 08:30	03/18/16 21:32	1
Barium	0.27	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:32	1
Chromium	0.070		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:32	1
Cobalt	0.017	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:32	1
Copper	0.046		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:32	1
Iron	65		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:32	1
Lead	0.18		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:32	1
Manganese	0.76		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:32	1
Nickel	0.044		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-12(0-1)-030916

Lab Sample ID: 500-108573-12

Date Collected: 03/09/16 13:49

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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		03/17/16 08:30	03/18/16 21:32	1
Zinc	0.67	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.93		0.93	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Arsenic	1.8		0.47	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Barium	29		0.47	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Beryllium	0.27		0.19	0.040	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Cadmium	0.092	J	0.093	0.027	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Calcium	140000	B	93	30	mg/Kg	☼	03/15/16 09:59	03/17/16 21:38	10
Chromium	13	B	2.3	0.080	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Cobalt	3.2		0.23	0.053	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Copper	7.1		0.47	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Iron	6800	B	9.3	3.6	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Lead	48		0.23	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Magnesium	82000		47	19	mg/Kg	☼	03/15/16 09:59	03/17/16 21:38	10
Manganese	340		0.47	0.092	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Nickel	7.7	B	0.47	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Potassium	860		23	3.8	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Selenium	0.24	J	0.47	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Silver	<0.23		0.23	0.055	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Sodium	1300	B	47	6.2	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Vanadium	9.2		0.23	0.068	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	1
Zinc	73		0.93	0.30	mg/Kg	☼	03/15/16 09:59	03/17/16 04:34	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		03/16/16 16:00	03/17/16 16:16	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		03/17/16 16:30	03/18/16 14:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		18	9.7	ug/Kg	☼	03/16/16 15:00	03/17/16 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.23		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-13(0-1)-030916

Lab Sample ID: 500-108573-13

Date Collected: 03/09/16 13:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 05:42	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/11/16 05:42	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 05:42	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 05:42	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/11/16 05:42	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/11/16 05:42	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/11/16 05:42	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 05:42	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 05:42	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 05:42	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 05:42	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 05:42	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/11/16 05:42	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 05:42	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/11/16 05:42	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/11/16 05:42	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 05:42	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 05:42	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 05:42	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 05:42	1
Dibromofluoromethane	110		75 - 120		03/11/16 05:42	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/11/16 05:42	1
Toluene-d8 (Surr)	105		75 - 122		03/11/16 05:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-13(0-1)-030916

Lab Sample ID: 500-108573-13

Date Collected: 03/09/16 13:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Acenaphthylene	14 J		36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Anthracene	9.4 J		36	6.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Benzo[a]anthracene	66 *		36	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Benzo[a]pyrene	100 *		36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Benzo[b]fluoranthene	140 *		36	7.9	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Benzo[g,h,i]perylene	120 *		36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Benzo[k]fluoranthene	56 *		36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Bis(2-ethylhexyl) phthalate	110 J *		180	67	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Carbazole	<180		180	91	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Chrysene	85 *		36	10	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Dibenz(a,h)anthracene	<36 *		36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Fluoranthene	83		36	6.8	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-13(0-1)-030916

Lab Sample ID: 500-108573-13

Date Collected: 03/09/16 13:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.3

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	69	*	36	9.5	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Phenanthrene	43		36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Pyrene	230	*	36	7.2	ug/Kg	☼	03/11/16 07:16	03/17/16 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		35 - 137				03/11/16 07:16	03/17/16 16:11	1
2-Fluorobiphenyl	92		25 - 119				03/11/16 07:16	03/17/16 16:11	1
2-Fluorophenol	95		25 - 110				03/11/16 07:16	03/17/16 16:11	1
Nitrobenzene-d5	87		25 - 115				03/11/16 07:16	03/17/16 16:11	1
Phenol-d5	89		31 - 110				03/11/16 07:16	03/17/16 16:11	1
Terphenyl-d14	212	X *	36 - 134				03/11/16 07:16	03/17/16 16:11	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		03/16/16 14:59	03/18/16 05:10	1
Barium	0.19	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:10	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:10	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:10	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:10	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:10	1
Manganese	1.0		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:10	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:10	1
Zinc	0.66	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:10	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		03/17/16 08:30	03/18/16 21:36	1
Barium	0.14	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:36	1
Chromium	0.050		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:36	1
Copper	0.029		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:36	1
Iron	34		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:36	1
Lead	0.22		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:36	1
Manganese	0.34		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:36	1
Nickel	0.028		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-13(0-1)-030916

Lab Sample ID: 500-108573-13

Date Collected: 03/09/16 13:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.3

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		03/17/16 08:30	03/18/16 21:36	1
Zinc	0.44	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.89		0.89	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Arsenic	2.4		0.45	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Barium	40		0.45	0.082	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Beryllium	0.25		0.18	0.039	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Cadmium	0.090		0.089	0.026	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Calcium	63000	B	89	29	mg/Kg	☼	03/15/16 09:59	03/17/16 21:42	10
Chromium	11	B	2.2	0.077	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Cobalt	3.0		0.22	0.051	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Copper	7.1		0.45	0.097	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Iron	6700	B	8.9	3.4	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Lead	68		0.22	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Magnesium	29000		4.5	1.8	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Manganese	180		0.45	0.089	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Nickel	8.2	B	0.45	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Potassium	420		22	3.6	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Selenium	0.28	J	0.45	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Silver	<0.22		0.22	0.052	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Sodium	970	B	45	5.9	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Vanadium	9.1		0.22	0.065	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	1
Zinc	54		0.89	0.28	mg/Kg	☼	03/15/16 09:59	03/17/16 04:39	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		03/16/16 16:00	03/17/16 16:18	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		03/17/16 16:30	03/18/16 14:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.67		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916

Lab Sample ID: 500-108573-14

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 06:08	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 06:08	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:08	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 06:08	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 06:08	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:08	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 06:08	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 06:08	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:08	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:08	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/11/16 06:08	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:08	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 06:08	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 06:08	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 06:08	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 06:08	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:08	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 06:08	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 06:08	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 06:08	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:08	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/11/16 06:08	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:08	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 06:08	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:08	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 06:08	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 06:08	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 06:08	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:08	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 06:08	1
Dibromofluoromethane	107		75 - 120		03/11/16 06:08	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 06:08	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916

Lab Sample ID: 500-108573-14

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2-Methylnaphthalene	8.2	J	36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
3,3'-Dichlorobenzidine	<180	*	180	51	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Acenaphthylene	13	J	36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Anthracene	16	J	36	6.0	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Benzo[a]anthracene	99	*	36	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Benzo[a]pyrene	97	*	36	7.0	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Benzo[b]fluoranthene	190	*	36	7.8	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Benzo[g,h,i]perylene	140	*	36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Benzo[k]fluoranthene	68	*	36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Bis(2-ethylhexyl) phthalate	100	J *	180	66	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Butyl benzyl phthalate	<180	*	180	69	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Carbazole	<180		180	90	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Chrysene	130	*	36	9.8	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Dibenz(a,h)anthracene	<36	*	36	7.0	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Fluoranthene	140		36	6.7	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Fluorene	7.0	J	36	5.1	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916

Lab Sample ID: 500-108573-14

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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	100	*	36	9.4	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Phenanthrene	130		36	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Phenol	<180		180	80	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Pyrene	390	*	36	7.2	ug/Kg	☼	03/11/16 07:16	03/17/16 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/11/16 07:16	03/17/16 16:39	1
2-Fluorobiphenyl	94		25 - 119				03/11/16 07:16	03/17/16 16:39	1
2-Fluorophenol	99		25 - 110				03/11/16 07:16	03/17/16 16:39	1
Nitrobenzene-d5	97		25 - 115				03/11/16 07:16	03/17/16 16:39	1
Phenol-d5	96		31 - 110				03/11/16 07:16	03/17/16 16:39	1
Terphenyl-d14	221	X *	36 - 134				03/11/16 07:16	03/17/16 16:39	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		03/16/16 14:59	03/18/16 05:15	1
Barium	0.25	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:15	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:15	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:15	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:15	1
Manganese	0.70		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:15	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:15	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:15	1
Zinc	0.56	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:15	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		03/17/16 08:30	03/18/16 21:40	1
Barium	0.085	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:40	1
Chromium	0.018	J	0.025	0.010	mg/L		03/17/16 08:30	03/19/16 19:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:40	1
Copper	0.014	J	0.025	0.010	mg/L		03/17/16 08:30	03/19/16 19:44	1
Iron	15		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:40	1
Lead	0.15		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:40	1
Manganese	0.27		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:40	1
Nickel	0.012	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916

Lab Sample ID: 500-108573-14

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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		03/17/16 08:30	03/19/16 19:44	1
Zinc	0.20	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.98		0.98	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Arsenic	2.1		0.49	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Barium	27		0.49	0.090	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Beryllium	0.28		0.20	0.043	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Cadmium	0.064	J	0.098	0.028	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Calcium	140000	B	98	32	mg/Kg	☼	03/15/16 09:59	03/17/16 21:46	10
Chromium	11	B	2.5	0.084	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Cobalt	2.8		0.25	0.055	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Copper	6.2		0.49	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Iron	6200	B	9.8	3.8	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Lead	87		0.25	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Magnesium	81000		49	20	mg/Kg	☼	03/15/16 09:59	03/17/16 21:46	10
Manganese	310		0.49	0.097	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Nickel	6.9	B	0.49	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Potassium	720		25	4.0	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Selenium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Silver	<0.25		0.25	0.057	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Sodium	590	B	49	6.5	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Vanadium	8.2		0.25	0.072	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	1
Zinc	37		0.98	0.31	mg/Kg	☼	03/15/16 09:59	03/17/16 04:44	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		03/16/16 16:00	03/17/16 16:20	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		03/17/16 16:30	03/18/16 14:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		17	9.1	ug/Kg	☼	03/16/16 15:00	03/17/16 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.95		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916D

Lab Sample ID: 500-108573-15

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 06:34	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:34	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 06:34	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:34	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 06:34	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 06:34	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:34	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:34	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 06:34	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 06:34	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:34	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:34	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:34	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/11/16 06:34	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:34	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 06:34	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 06:34	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 06:34	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 06:34	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:34	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 06:34	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 06:34	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 06:34	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:34	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:34	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:34	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/11/16 06:34	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 06:34	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 06:34	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:34	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 06:34	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 06:34	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 06:34	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 06:34	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 06:34	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 06:34	1
Dibromofluoromethane	110		75 - 120		03/11/16 06:34	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 06:34	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 06:34	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	☼	03/11/16 07:16	03/17/16 23:45	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916D

Lab Sample ID: 500-108573-15

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2-Methylnaphthalene	10	J	35	6.5	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
3,3'-Dichlorobenzidine	<180	*	180	50	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4,6-Dinitro-2-methylphenol	<720	*	720	290	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4-Bromophenyl phenyl ether	<180	*	180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Acenaphthylene	6.7	J	35	4.7	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Anthracene	<35	*	35	5.9	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Benzo[a]anthracene	64	*	35	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Benzo[a]pyrene	56	*	35	6.9	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Benzo[b]fluoranthene	90	*	35	7.7	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Benzo[g,h,i]perylene	130	*	35	11	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Benzo[k]fluoranthene	<35	*	35	10	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Bis(2-ethylhexyl) phthalate	<180	*	180	65	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Butyl benzyl phthalate	<180	*	180	68	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Carbazole	<180	*	180	89	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Chrysene	67	*	35	9.7	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Dibenz(a,h)anthracene	<35	*	35	6.9	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Di-n-butyl phthalate	<180	*	180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Di-n-octyl phthalate	<180	*	180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Fluoranthene	58	*	35	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Hexachlorobenzene	<72	*	72	8.2	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916D

Lab Sample ID: 500-108573-15

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35	*	35	9.2	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Naphthalene	<35		35	5.5	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
N-Nitrosodi-n-propylamine	<72		72	43	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
N-Nitrosodiphenylamine	<180	*	180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Pentachlorophenol	<720	*	720	570	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Phenanthrene	52	*	35	4.9	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Phenol	<180		180	79	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1
Pyrene	130	*	35	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137	03/11/16 07:16	03/17/16 23:45	1
2-Fluorobiphenyl	112		25 - 119	03/11/16 07:16	03/17/16 23:45	1
2-Fluorophenol	94		25 - 110	03/11/16 07:16	03/17/16 23:45	1
Nitrobenzene-d5	85		25 - 115	03/11/16 07:16	03/17/16 23:45	1
Phenol-d5	87		31 - 110	03/11/16 07:16	03/17/16 23:45	1
Terphenyl-d14	156	X*	36 - 134	03/11/16 07:16	03/17/16 23:45	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		03/16/16 14:59	03/18/16 05:20	1
Barium	0.22	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:20	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:20	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:20	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:20	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:20	1
Manganese	0.81		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:20	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:20	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:20	1
Zinc	0.90	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:20	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		03/17/16 08:30	03/18/16 21:44	1
Barium	0.11	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:44	1
Chromium	0.024	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:44	1
Copper	0.017	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:44	1
Iron	20		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:44	1
Lead	0.20		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:44	1
Manganese	0.41		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:44	1
Nickel	0.017	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-14(0-1)-030916D

Lab Sample ID: 500-108573-15

Date Collected: 03/09/16 14:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.1

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		03/17/16 08:30	03/18/16 21:44	1
Zinc	0.19	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.80		0.80	0.17	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Arsenic	2.2		0.40	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Barium	49		0.40	0.073	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Beryllium	0.25		0.16	0.035	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Cadmium	0.089		0.080	0.023	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Calcium	120000	B	80	26	mg/Kg	☼	03/15/16 09:59	03/17/16 21:50	10
Chromium	8.7	B	2.0	0.069	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Cobalt	2.9		0.20	0.045	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Copper	7.5		0.40	0.087	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Iron	6300	B	8.0	3.1	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Lead	77		0.20	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Magnesium	68000		40	16	mg/Kg	☼	03/15/16 09:59	03/17/16 21:50	10
Manganese	260		0.40	0.079	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Nickel	7.6	B	0.40	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Potassium	500		20	3.3	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Selenium	0.43		0.40	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Silver	<0.20		0.20	0.047	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Sodium	780	B	40	5.3	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Thallium	<0.40		0.40	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Vanadium	8.5		0.20	0.059	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	1
Zinc	47		0.80	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 04:49	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		03/16/16 16:00	03/17/16 16:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/17/16 16:30	03/18/16 14:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		16	8.6	ug/Kg	☼	03/16/16 15:00	03/17/16 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-15(0-1)-030916

Lab Sample ID: 500-108573-16

Date Collected: 03/09/16 14:17

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 92.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 07:17	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 07:17	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		03/11/16 07:17	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 07:17	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 07:17	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 07:17	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/11/16 07:17	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 07:17	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		03/11/16 07:17	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		03/11/16 07:17	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 07:17	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 07:17	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 07:17	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/11/16 07:17	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/11/16 07:17	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 07:17	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/11/16 07:17	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 07:17	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 07:17	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 07:17	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
1,1,2-Trichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 07:17	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 07:17	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 07:17	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 07:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/11/16 07:17	1
Dibromofluoromethane	107		75 - 120		03/11/16 07:17	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 07:17	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 07:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-15(0-1)-030916

Lab Sample ID: 500-108573-16

Date Collected: 03/09/16 14:17

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
2-Nitrophenol	<360		360	84	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
3,3'-Dichlorobenzidine	<180 *		180	50	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Acenaphthylene	10 J		36	4.7	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Anthracene	9.8 J		36	6.0	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Benzo[a]anthracene	43 *		36	4.8	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Benzo[a]pyrene	56 *		36	6.9	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Benzo[b]fluoranthene	<36 *		36	7.7	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Benzo[g,h,i]perylene	90 *		36	12	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Benzo[k]fluoranthene	<36 *		36	11	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Bis(2-ethylhexyl) phthalate	<180 *		180	65	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Butyl benzyl phthalate	<180 *		180	68	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Carbazole	<180		180	89	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Chrysene	<36 *		36	9.8	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Dibenz(a,h)anthracene	<36 *		36	6.9	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Fluoranthene	59		36	6.6	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Fluorene	<36		36	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-15(0-1)-030916

Lab Sample ID: 500-108573-16

Date Collected: 03/09/16 14:17

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	59	*	36	9.3	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Naphthalene	<36		36	5.5	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Phenanthrene	56		36	5.0	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Phenol	<180		180	79	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Pyrene	160	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/17/16 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		35 - 137				03/11/16 07:16	03/17/16 17:07	1
2-Fluorobiphenyl	88		25 - 119				03/11/16 07:16	03/17/16 17:07	1
2-Fluorophenol	91		25 - 110				03/11/16 07:16	03/17/16 17:07	1
Nitrobenzene-d5	86		25 - 115				03/11/16 07:16	03/17/16 17:07	1
Phenol-d5	86		31 - 110				03/11/16 07:16	03/17/16 17:07	1
Terphenyl-d14	220	X *	36 - 134				03/11/16 07:16	03/17/16 17:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Barium	0.13	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:26	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:26	1
Lead	0.014		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:26	1
Manganese	1.2		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:26	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:26	1
Zinc	0.39	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:26	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		03/17/16 08:30	03/18/16 21:56	1
Barium	<0.50		0.50	0.050	mg/L		03/17/16 08:30	03/18/16 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 21:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:56	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:56	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:56	1
Iron	1.1		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 21:56	1
Lead	0.020		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 21:56	1
Manganese	0.033		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:56	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 21:56	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-15(0-1)-030916

Lab Sample ID: 500-108573-16

Date Collected: 03/09/16 14:17

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 92.1

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		03/17/16 08:30	03/18/16 21:56	1
Zinc	0.23	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 21:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.89		0.89	0.18	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Arsenic	1.4		0.44	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Barium	16		0.44	0.081	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Beryllium	0.23		0.18	0.038	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Cadmium	0.052	J	0.089	0.026	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Calcium	120000	B	89	29	mg/Kg	☼	03/15/16 09:59	03/17/16 21:54	10
Chromium	8.7	B	2.2	0.076	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Cobalt	2.2		0.22	0.050	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Copper	5.1		0.44	0.096	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Iron	5600	B	8.9	3.4	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Lead	64		0.22	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Magnesium	71000		44	18	mg/Kg	☼	03/15/16 09:59	03/17/16 21:54	10
Manganese	190		0.44	0.088	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Nickel	6.7	B	0.44	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Potassium	500		22	3.6	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Selenium	<0.44		0.44	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Silver	<0.22		0.22	0.052	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Sodium	780	B	44	5.9	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Thallium	<0.44		0.44	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Vanadium	6.4		0.22	0.065	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1
Zinc	30		0.89	0.28	mg/Kg	☼	03/15/16 09:59	03/17/16 04:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/16/16 16:00	03/17/16 16:28	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		03/17/16 16:30	03/18/16 14:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.97		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-16(0-1)-030916

Lab Sample ID: 500-108573-17

Date Collected: 03/09/16 14:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 07:43	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 07:43	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 07:43	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:43	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:43	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 07:43	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 07:43	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 07:43	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 07:43	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:43	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 07:43	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 07:43	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 07:43	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 07:43	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 07:43	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 07:43	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 07:43	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 07:43	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 07:43	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 07:43	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 07:43	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 07:43	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 07:43	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 07:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 07:43	1
Dibromofluoromethane	111		75 - 120		03/11/16 07:43	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 07:43	1
Toluene-d8 (Surr)	108		75 - 122		03/11/16 07:43	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	☼	03/11/16 07:16	03/16/16 18:23	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-16(0-1)-030916

Lab Sample ID: 500-108573-17

Date Collected: 03/09/16 14:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Anthracene	<35		35	6.0	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Benzo[a]anthracene	31	J	35	4.8	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Benzo[a]pyrene	39	*	35	6.9	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Benzo[b]fluoranthene	70	*	35	7.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Benzo[g,h,i]perylene	30	J *	35	11	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Benzo[k]fluoranthene	23	J *	35	11	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Bis(2-ethylhexyl) phthalate	130	J	180	65	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Carbazole	<180		180	89	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Chrysene	43		35	9.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Dibenz(a,h)anthracene	<35	*	35	6.9	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Fluoranthene	56		35	6.6	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-16(0-1)-030916

Lab Sample ID: 500-108573-17

Date Collected: 03/09/16 14:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	25	J *	35	9.2	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Naphthalene	<35		35	5.5	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Phenanthrene	29	J	35	5.0	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Phenol	<180		180	79	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Pyrene	73		35	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	79		35 - 137				03/11/16 07:16	03/16/16 18:23	1
<i>2-Fluorobiphenyl</i>	79		25 - 119				03/11/16 07:16	03/16/16 18:23	1
<i>2-Fluorophenol</i>	88		25 - 110				03/11/16 07:16	03/16/16 18:23	1
<i>Nitrobenzene-d5</i>	80		25 - 115				03/11/16 07:16	03/16/16 18:23	1
<i>Phenol-d5</i>	79		31 - 110				03/11/16 07:16	03/16/16 18:23	1
<i>Terphenyl-d14</i>	118		36 - 134				03/11/16 07:16	03/16/16 18:23	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		03/16/16 14:59	03/18/16 05:31	1
Barium	0.12	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:31	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:31	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:31	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:31	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:31	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:31	1
Manganese	1.0		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:31	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:31	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:31	1
Zinc	0.12	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:31	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		03/17/16 08:30	03/18/16 22:01	1
Barium	<0.50		0.50	0.050	mg/L		03/17/16 08:30	03/18/16 22:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 22:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 22:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:01	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:01	1
Iron	2.2		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 22:01	1
Lead	0.033		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 22:01	1
Manganese	0.047		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 22:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-16(0-1)-030916

Lab Sample ID: 500-108573-17

Date Collected: 03/09/16 14:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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		03/17/16 08:30	03/18/16 22:01	1
Zinc	1.1	B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 22:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Arsenic	1.3		0.50	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Barium	24		0.50	0.092	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Beryllium	0.19	J	0.20	0.044	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Cadmium	0.046	J	0.10	0.029	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Calcium	180000	B	100	32	mg/Kg	☼	03/15/16 09:59	03/17/16 21:58	10
Chromium	6.4	B	2.5	0.087	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Cobalt	1.8		0.25	0.057	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Copper	4.3		0.50	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Iron	4700	B	10	3.9	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Lead	48		0.25	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Magnesium	110000		50	20	mg/Kg	☼	03/15/16 09:59	03/17/16 21:58	10
Manganese	220		0.50	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Nickel	5.3	B	0.50	0.14	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Potassium	600		25	4.1	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Sodium	780	B	50	6.6	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Vanadium	4.7		0.25	0.074	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1
Zinc	25		1.0	0.32	mg/Kg	☼	03/15/16 09:59	03/17/16 05:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/16/16 16:00	03/17/16 16:30	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		03/17/16 16:30	03/18/16 14:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.13		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-17(0-1)-030916

Lab Sample ID: 500-108573-18

Date Collected: 03/09/16 14:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 93.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.2	ug/Kg	☼		03/11/16 08:10	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 08:10	1
Bromodichloromethane	<5.4		5.4	0.91	ug/Kg	☼		03/11/16 08:10	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 08:10	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 08:10	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 08:10	1
Carbon tetrachloride	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 08:10	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/11/16 08:10	1
Chloroform	<5.4		5.4	1.0	ug/Kg	☼		03/11/16 08:10	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 08:10	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 08:10	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		03/11/16 08:10	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 08:10	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		03/11/16 08:10	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/11/16 08:10	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 08:10	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 08:10	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/11/16 08:10	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/11/16 08:10	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 08:10	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 08:10	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.85	ug/Kg	☼		03/11/16 08:10	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/11/16 08:10	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/11/16 08:10	1
trans-1,2-Dichloroethene	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/11/16 08:10	1
1,1,1-Trichloroethane	<5.4		5.4	1.2	ug/Kg	☼		03/11/16 08:10	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		03/11/16 08:10	1
Trichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/11/16 08:10	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/11/16 08:10	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 08:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/11/16 08:10	1
Dibromofluoromethane	108		75 - 120		03/11/16 08:10	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/11/16 08:10	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 08:10	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	☼	03/11/16 07:16	03/16/16 18:52	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-17(0-1)-030916

Lab Sample ID: 500-108573-18

Date Collected: 03/09/16 14:40

Matrix: Solid

Date Received: 03/09/16 16:45

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	<340		340	79	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2-Methylnaphthalene	<34		34	6.4	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2-Methylphenol	<170		170	56	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4-Nitroaniline	<340		340	150	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Acenaphthylene	4.9 J		34	4.6	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Anthracene	<34		34	5.8	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Benzo[a]anthracene	25 J		34	4.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Benzo[a]pyrene	31 J*		34	6.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Benzo[b]fluoranthene	47 *		34	7.5	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Benzo[g,h,i]perylene	<34 *		34	11	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Benzo[k]fluoranthene	<34 *		34	10	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Bis(2-ethylhexyl) phthalate	87 J		170	63	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Carbazole	<170		170	87	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Chrysene	35		34	9.5	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Dibenz(a,h)anthracene	<34 *		34	6.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Dibenzofuran	<170		170	41	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Fluoranthene	42		34	6.4	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Fluorene	<34		34	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Hexachloroethane	<170		170	53	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-17(0-1)-030916

Lab Sample ID: 500-108573-18

Date Collected: 03/09/16 14:40

Matrix: Solid

Date Received: 03/09/16 16:45

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	24	J *	34	9.0	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Isophorone	<170		170	39	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Naphthalene	<34		34	5.3	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Nitrobenzene	<34		34	8.7	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Phenanthrene	26	J	34	4.8	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Phenol	<170		170	77	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Pyrene	73		34	6.9	ug/Kg	☼	03/11/16 07:16	03/16/16 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		35 - 137				03/11/16 07:16	03/16/16 18:52	1
2-Fluorobiphenyl	82		25 - 119				03/11/16 07:16	03/16/16 18:52	1
2-Fluorophenol	87		25 - 110				03/11/16 07:16	03/16/16 18:52	1
Nitrobenzene-d5	79		25 - 115				03/11/16 07:16	03/16/16 18:52	1
Phenol-d5	79		31 - 110				03/11/16 07:16	03/16/16 18:52	1
Terphenyl-d14	145	X	36 - 134				03/11/16 07:16	03/16/16 18:52	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		03/16/16 14:59	03/18/16 05:36	1
Barium	0.12	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:36	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:36	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:36	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:36	1
Lead	0.025		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:36	1
Manganese	1.1		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:36	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:36	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:36	1
Zinc	0.33	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:36	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		03/17/16 08:30	03/18/16 22:05	1
Barium	0.053	J	0.50	0.050	mg/L		03/17/16 08:30	03/18/16 22:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 22:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 22:05	1
Chromium	0.016	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:05	1
Copper	0.013	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:05	1
Iron	11		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 22:05	1
Lead	0.33		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 22:05	1
Manganese	0.19		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:05	1
Nickel	0.012	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 22:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-17(0-1)-030916

Lab Sample ID: 500-108573-18

Date Collected: 03/09/16 14:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 93.2

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		03/17/16 08:30	03/18/16 22:05	1
Zinc	0.25	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 22:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.78		0.78	0.16	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Arsenic	2.0		0.39	0.18	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Barium	64		0.39	0.072	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Beryllium	0.18		0.16	0.034	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Cadmium	0.058	J	0.078	0.023	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Calcium	100000	B	78	25	mg/Kg	☼	03/15/16 09:59	03/17/16 22:11	10
Chromium	7.6	B	2.0	0.067	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Cobalt	2.2		0.20	0.044	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Copper	7.9		0.39	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Iron	6600	B	7.8	3.0	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Lead	80		0.20	0.098	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Magnesium	61000		39	16	mg/Kg	☼	03/15/16 09:59	03/17/16 22:11	10
Manganese	170		0.39	0.078	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Nickel	6.4	B	0.39	0.11	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Potassium	530		20	3.2	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Selenium	0.30	J	0.39	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Silver	<0.20		0.20	0.046	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Sodium	500	B	39	5.2	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Thallium	<0.39		0.39	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Vanadium	6.3		0.20	0.057	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	1
Zinc	23		0.78	0.25	mg/Kg	☼	03/15/16 09:59	03/17/16 05:14	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		03/16/16 16:00	03/17/16 16:32	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		03/17/16 16:30	03/18/16 14:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-18(0-1)-030916

Lab Sample ID: 500-108573-19

Date Collected: 03/09/16 14:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 10:34	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 10:34	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 10:34	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 10:34	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 10:34	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 10:34	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 10:34	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 10:34	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 10:34	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 10:34	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 10:34	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 10:34	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 10:34	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 10:34	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 10:34	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 10:34	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 10:34	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 10:34	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 10:34	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 10:34	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 10:34	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 10:34	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 10:34	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 10:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 10:34	1
Dibromofluoromethane	108		75 - 120		03/11/16 10:34	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/11/16 10:34	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-18(0-1)-030916

Lab Sample ID: 500-108573-19

Date Collected: 03/09/16 14:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Anthracene	13	J	36	6.1	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Benzo[a]anthracene	88	*	36	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Benzo[a]pyrene	100	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Benzo[b]fluoranthene	210	*	36	7.9	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Benzo[g,h,i]perylene	75	*	36	12	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Benzo[k]fluoranthene	65	*	36	11	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Bis(2-ethylhexyl) phthalate	130	J *	180	67	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Carbazole	<180		180	91	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Chrysene	120	*	36	9.9	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Fluoranthene	180		36	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
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TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-18(0-1)-030916

Lab Sample ID: 500-108573-19

Date Collected: 03/09/16 14:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.6

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	73	*	36	9.4	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
N-Nitrosodi-n-propylamine	<73		73	45	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Phenanthrene	110		36	5.1	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Pyrene	360	*	36	7.2	ug/Kg	☼	03/11/16 07:16	03/16/16 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		35 - 137				03/11/16 07:16	03/16/16 19:20	1
2-Fluorobiphenyl	87		25 - 119				03/11/16 07:16	03/16/16 19:20	1
2-Fluorophenol	92		25 - 110				03/11/16 07:16	03/16/16 19:20	1
Nitrobenzene-d5	82		25 - 115				03/11/16 07:16	03/16/16 19:20	1
Phenol-d5	91		31 - 110				03/11/16 07:16	03/16/16 19:20	1
Terphenyl-d14	185	*X	36 - 134				03/11/16 07:16	03/16/16 19:20	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		03/16/16 14:59	03/18/16 05:48	1
Barium	0.14	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:48	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:48	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:48	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:48	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:48	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:48	1
Manganese	0.84		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:48	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:48	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:48	1
Zinc	1.5	B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:48	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		03/17/16 08:30	03/18/16 22:09	1
Barium	<0.50		0.50	0.050	mg/L		03/17/16 08:30	03/18/16 22:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 22:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 22:09	1
Chromium	0.010	J	0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:09	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:09	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:09	1
Iron	6.4		0.40	0.20	mg/L		03/17/16 08:30	03/18/16 22:09	1
Lead	0.056		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 22:09	1
Manganese	0.21		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:09	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 22:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-18(0-1)-030916

Lab Sample ID: 500-108573-19

Date Collected: 03/09/16 14:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.6

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		03/17/16 08:30	03/18/16 22:09	1
Zinc	0.22	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 22:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.96		0.96	0.20	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Arsenic	1.7		0.48	0.22	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Barium	23		0.48	0.088	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Beryllium	0.17	J	0.19	0.042	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Cadmium	0.11		0.096	0.028	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Calcium	110000	B	96	31	mg/Kg	☼	03/15/16 09:59	03/17/16 22:15	10
Chromium	7.4	B	2.4	0.083	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Cobalt	2.1		0.24	0.054	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Copper	5.4		0.48	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Iron	4600	B	9.6	3.7	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Lead	35		0.24	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Magnesium	64000		48	19	mg/Kg	☼	03/15/16 09:59	03/17/16 22:15	10
Manganese	230		0.48	0.095	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Nickel	5.7	B	0.48	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Potassium	510		24	3.9	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Selenium	<0.48		0.48	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Sodium	640	B	48	6.3	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Vanadium	6.4		0.24	0.070	mg/Kg	☼	03/15/16 09:59	03/17/16 05:19	1
Zinc	40		0.96	0.30	mg/Kg	☼	03/15/16 09:59	03/17/16 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		03/16/16 16:00	03/17/16 16:33	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		03/17/16 16:30	03/18/16 14:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		16	8.5	ug/Kg	☼	03/16/16 15:00	03/17/16 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.98		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-19(0-1)-030916

Lab Sample ID: 500-108573-20

Date Collected: 03/09/16 14:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 11:00	1
Benzene	<5.6	F1	5.6	1.2	ug/Kg	☼		03/11/16 11:00	1
Bromodichloromethane	<5.6	F1	5.6	0.95	ug/Kg	☼		03/11/16 11:00	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 11:00	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 11:00	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 11:00	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 11:00	1
Chlorobenzene	<5.6	F1	5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/11/16 11:00	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 11:00	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 11:00	1
cis-1,3-Dichloropropene	<5.6	F1	5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
Dibromochloromethane	<5.6	F1	5.6	0.65	ug/Kg	☼		03/11/16 11:00	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 11:00	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/11/16 11:00	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 11:00	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 11:00	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 11:00	1
Ethylbenzene	<5.6	F1	5.6	1.4	ug/Kg	☼		03/11/16 11:00	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 11:00	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/11/16 11:00	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 11:00	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 11:00	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
Styrene	<5.6	F1	5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
1,1,2,2-Tetrachloroethane	<5.6	F1	5.6	0.89	ug/Kg	☼		03/11/16 11:00	1
Tetrachloroethene	<5.6	F1	5.6	1.2	ug/Kg	☼		03/11/16 11:00	1
Toluene	<5.6	F1	5.6	2.0	ug/Kg	☼		03/11/16 11:00	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 11:00	1
trans-1,3-Dichloropropene	<5.6	F1	5.6	1.6	ug/Kg	☼		03/11/16 11:00	1
1,1,1-Trichloroethane	<5.6	F1	5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 11:00	1
Trichloroethene	<5.6	F1	5.6	1.5	ug/Kg	☼		03/11/16 11:00	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 11:00	1
Xylenes, Total	<11	F1	11	2.1	ug/Kg	☼		03/11/16 11:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 11:00	1
Dibromofluoromethane	107		75 - 120		03/11/16 11:00	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 11:00	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 11:00	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	40	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-19(0-1)-030916

Lab Sample ID: 500-108573-20

Date Collected: 03/09/16 14:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4,6-Dinitro-2-methylphenol	<740 *		740	290	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4-Bromophenyl phenyl ether	<180 *		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Anthracene	12	J *	36	6.1	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Benzo[a]anthracene	80	*	36	4.9	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Benzo[a]pyrene	85	*	36	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Benzo[b]fluoranthene	130	*	36	7.9	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Benzo[g,h,i]perylene	120	*	36	12	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Benzo[k]fluoranthene	42	*	36	11	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Bis(2-ethylhexyl) phthalate	130	J *	180	67	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Butyl benzyl phthalate	<180 *		180	70	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Carbazole	<180 *		180	92	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Chrysene	120	*	36	10	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Dibenz(a,h)anthracene	<36 *		36	7.1	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Di-n-butyl phthalate	<180 *		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Di-n-octyl phthalate	<180 *		180	60	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Fluoranthene	100	*	36	6.8	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Fluorene	<36		36	5.2	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Hexachlorobenzene	<74 *		74	8.5	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-19(0-1)-030916

Lab Sample ID: 500-108573-20

Date Collected: 03/09/16 14:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.1

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	71	*	36	9.5	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
N-Nitrosodiphenylamine	<180	*	180	43	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Pentachlorophenol	<740	*	740	590	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Phenanthrene	68	*	36	5.1	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Pyrene	280	*	36	7.3	ug/Kg	☼	03/11/16 07:16	03/16/16 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/11/16 07:16	03/16/16 23:36	1
2-Fluorobiphenyl	104		25 - 119				03/11/16 07:16	03/16/16 23:36	1
2-Fluorophenol	96		25 - 110				03/11/16 07:16	03/16/16 23:36	1
Nitrobenzene-d5	90		25 - 115				03/11/16 07:16	03/16/16 23:36	1
Phenol-d5	96		31 - 110				03/11/16 07:16	03/16/16 23:36	1
Terphenyl-d14	189	*X	36 - 134				03/11/16 07:16	03/16/16 23:36	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		03/16/16 14:59	03/18/16 05:54	1
Barium	0.11	J	0.50	0.050	mg/L		03/16/16 14:59	03/18/16 05:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:59	03/18/16 05:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:59	03/18/16 05:54	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:54	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:54	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:54	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:59	03/18/16 05:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:59	03/18/16 05:54	1
Manganese	0.75		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:54	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:59	03/18/16 05:54	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:59	03/18/16 05:54	1
Zinc	0.31	J B	0.50	0.020	mg/L		03/16/16 14:59	03/18/16 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/17/16 08:30	03/18/16 22:13	1
Barium	<0.50		0.50	0.050	mg/L		03/17/16 08:30	03/18/16 22:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/18/16 22:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 08:30	03/18/16 22:13	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:13	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:13	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:13	1
Iron	1.7	F1	0.40	0.20	mg/L		03/17/16 08:30	03/18/16 22:13	1
Lead	0.0096		0.0075	0.0075	mg/L		03/17/16 08:30	03/18/16 22:13	1
Manganese	0.048		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:13	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/18/16 22:13	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/18/16 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Client Sample ID: KR-19(0-1)-030916

Lab Sample ID: 500-108573-20

Date Collected: 03/09/16 14:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.1

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		03/17/16 08:30	03/18/16 22:13	1
Zinc	0.094	J B	0.50	0.020	mg/L		03/17/16 08:30	03/18/16 22:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.93	F1 F2	0.93	0.19	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Arsenic	1.6		0.46	0.21	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Barium	11		0.46	0.085	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Beryllium	0.15	J	0.19	0.040	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Cadmium	0.080	J	0.093	0.027	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Calcium	180000	B	93	30	mg/Kg	☼	03/15/16 09:59	03/17/16 22:19	10
Chromium	7.6	B	2.3	0.080	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Cobalt	1.8		0.23	0.052	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Copper	5.7		0.46	0.10	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Iron	4300	B	9.3	3.6	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Lead	20	F2	0.23	0.12	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Magnesium	110000		46	19	mg/Kg	☼	03/15/16 09:59	03/17/16 22:19	10
Manganese	190		0.46	0.092	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Nickel	5.7	B	0.46	0.13	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Potassium	530	F1	23	3.8	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Selenium	<0.46		0.46	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Silver	<0.23		0.23	0.054	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Sodium	900	B F1	46	6.1	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Vanadium	5.9		0.23	0.068	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	1
Zinc	48	F1	0.93	0.29	mg/Kg	☼	03/15/16 09:59	03/17/16 05:24	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		03/16/16 16:00	03/17/16 16:35	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		03/17/16 16:30	03/18/16 14:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	9.3	ug/Kg	☼	03/16/16 15:00	03/17/16 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.78		0.200	0.200	SU			03/11/16 00:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108573-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5341



500-108573 COC

Report To (optional)

Contact: S. Babesukumar
Company: Weston Solutions
Address: 300 Plaza Cir, Ste 201
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)

Contact:
Company:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108573
Chain of Custody Number:
Page 3 of 5
Temperature °C of Cooler: 3.1

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Matrix												Comments	
<u>IDOT 039</u>				Date Time		# of Containers Matrix													
Lab ID	MS/MSD	Sample ID		Date Time		# of Containers	Matrix												
1		KR-2(0-1)-030916		3/9/16	1148	2	S	X	X	X	X	X	X	X	X	X	X	X	
2		KR-3(0-1)-030916		3/9/16	1155	2	S	X	X	X	X	X	X	X	X	X	X	X	
3		KR-4(0-1)-030916		3/9/16	1200	2	S	X	X	X	X	X	X	X	X	X	X	X	
4		KR-4(0-1)-030916D		3/9/16	1200	2	S	X	X	X	X	X	X	X	X	X	X	X	
5		KR-5(0-1)-030916		3/9/16	1210	2	S	X	X	X	X	X	X	X	X	X	X	X	
6		KR-6(0-1)-030916		3/9/16	1233	2	S	X	X	X	X	X	X	X	X	X	X	X	
7		KR-7(0-1)-030916		3/9/16	1240	2	S	X	X	X	X	X	X	X	X	X	X	X	
8		KR-8(0-1)-030916		3/9/16	1245	2	S	X	X	X	X	X	X	X	X	X	X	X	
9		KR-9(0-1)-030916		3/9/16	1305	2	S	X	X	X	X	X	X	X	X	X	X	X	
10		KR-10(0-1)-030916		3/9/16	1312	2	S	X	X	X	X	X	X	X	X	X	X	X	

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By <u>Alan M. Tuff</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>TA-CHE</u>	Date <u>3/9/16</u>	Time <u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)

Contact: S. Babesukumar
Company: Weston Solutions
Address: 300 Plaza Cir, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: _____
E-Mail: _____

Bill To (optional)

Contact: _____
Company: _____
Address: SAME
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-108573
Chain of Custody Number: _____
Page 4 of 5
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston						VOC		SVOC			
Project Name		Lab Project #		# of Containers		Total Metals		TCUP Metals			
IDOT 039				Matrix		pH					
Project Location/State		Lab PM		Date		Time					
Wilmington, IL		A. Tuckasz		Sample ID							
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
11		KR-11(0-1)-030916	3/9/16	1345	2	S	X	X	X	X	
12		KR-12(0-1)-030916	3/9/16	1349	2	S	X	X	X	X	
13		KR-13(0-1)-030916	3/9/16	1355	2	S	X	X	X	X	
14		KR-14(0-1)-030916	3/9/16	1410	2	S	X	X	X	X	
15		KR-14(0-1)-030916D	3/9/16	1410	2	S	X	X	X	X	
16		KR-15(0-1)-030916	3/9/16	1417	2	S	X	X	X	X	
17		KR-16(0-1)-030916	3/9/16	1420	2	S	X	X	X	X	
18		KR-17(0-1)-030916	3/9/16	1440	2	S	X	X	X	X	
19		KR-18(0-1)-030916	3/9/16	1445	2	S	X	X	X	X	
20		KR-19(0-1)-030916	3/9/16	1450	2	S	X	X	X	X	

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>3/9/16</u> Time: <u>1555</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/9/16</u> Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/9/16</u> Time: <u>1645</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>3/9/16</u> Time: <u>1645</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key WW - Wastewater SE - Sediment W - Water SO - Soil S - Soil L - Leachate SL - Sludge WI - Wipe MS - Miscellaneous DW - Drinking Water OL - Oil O - Other A - Air	Client Comments	Lab Comments:
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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: 500-108574-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/18/2016 4:17:30 PM

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

LINKS

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results through
TotalAccess

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Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-20(0-1)-030916

Lab Sample ID: 500-108574-1

Date Collected: 03/09/16 15:03

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 12:18	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 12:18	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 12:18	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 12:18	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 12:18	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 12:18	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 12:18	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 12:18	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 12:18	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 12:18	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/11/16 12:18	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 12:18	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 12:18	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 12:18	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 12:18	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 12:18	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 12:18	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 12:18	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 12:18	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 12:18	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 12:18	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/11/16 12:18	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 12:18	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 12:18	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 12:18	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 12:18	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 12:18	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 12:18	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 12:18	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 12:18	1
Dibromofluoromethane	108		75 - 120		03/11/16 12:18	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/11/16 12:18	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-20(0-1)-030916

Lab Sample ID: 500-108574-1

Date Collected: 03/09/16 15:03

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,4-Dinitrophenol	<720	F1	720	630	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,4-Dinitrotoluene	<180	F1	180	57	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2-Methylnaphthalene	11	J	36	6.6	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
3,3'-Dichlorobenzidine	<180	F1 F2	180	50	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4,6-Dinitro-2-methylphenol	<720	F1	720	290	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Acenaphthylene	37		36	4.7	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Anthracene	25	J	36	6.0	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Benzo[a]anthracene	140		36	4.8	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Benzo[a]pyrene	180	*	36	7.0	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Benzo[b]fluoranthene	370	*	36	7.8	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Benzo[g,h,i]perylene	95	* F1	36	12	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Benzo[k]fluoranthene	120	*	36	11	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Bis(2-ethylhexyl) phthalate	<180	F1	180	66	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Butyl benzyl phthalate	<180	F1	180	68	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Carbazole	<180		180	90	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Chrysene	200		36	9.8	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Dibenz(a,h)anthracene	20	J *	36	6.9	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Di-n-octyl phthalate	<180	F1	180	59	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Fluoranthene	370	F1	36	6.7	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Fluorene	8.6	J	36	5.1	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Hexachlorocyclopentadiene	<720	F1	720	210	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Hexachloroethane	<180	F1	180	55	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-20(0-1)-030916

Lab Sample ID: 500-108574-1

Date Collected: 03/09/16 15:03

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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	100	*	36	9.3	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Isophorone	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Naphthalene	7.2	J	36	5.5	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Pentachlorophenol	<720	F2	720	580	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Phenanthrene	150		36	5.0	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Phenol	<180		180	80	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1
Pyrene	350	F1	36	7.1	ug/Kg	☼	03/10/16 21:43	03/16/16 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137	03/10/16 21:43	03/16/16 00:34	1
2-Fluorobiphenyl	70		25 - 119	03/10/16 21:43	03/16/16 00:34	1
2-Fluorophenol	74		25 - 110	03/10/16 21:43	03/16/16 00:34	1
Nitrobenzene-d5	63		25 - 115	03/10/16 21:43	03/16/16 00:34	1
Phenol-d5	76		31 - 110	03/10/16 21:43	03/16/16 00:34	1
Terphenyl-d14	90		36 - 134	03/10/16 21:43	03/16/16 00:34	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		03/17/16 08:30	03/17/16 18:40	1
Barium	0.19	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 18:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 18:40	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 18:40	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:40	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:40	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:40	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 18:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 18:40	1
Manganese	0.80		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:40	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 18:40	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:40	1
Zinc	0.24	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 18:40	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		03/16/16 08:28	03/17/16 15:13	1
Barium	0.075	J	0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:13	1
Chromium	0.022	J	0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:13	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:13	1
Copper	0.016	J	0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:13	1
Iron	15		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:13	1
Lead	0.095		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:13	1
Manganese	0.26		0.025	0.010	mg/L		03/16/16 08:28	03/18/16 03:40	1
Nickel	0.014	J	0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:13	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-20(0-1)-030916

Lab Sample ID: 500-108574-1

Date Collected: 03/09/16 15:03

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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		03/16/16 08:28	03/17/16 15:13	1
Zinc	0.18	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.84		0.84	0.18	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Arsenic	1.9		0.42	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Barium	27		0.42	0.077	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Beryllium	0.29		0.17	0.037	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Cadmium	0.15		0.084	0.024	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Calcium	110000	B	84	27	mg/Kg	☼	03/15/16 09:35	03/16/16 22:49	10
Chromium	10	B	2.1	0.073	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Cobalt	2.7		0.21	0.048	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Copper	7.7		0.42	0.092	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Iron	6300	B	8.4	3.3	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Lead	80		0.21	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Magnesium	64000	B	42	17	mg/Kg	☼	03/15/16 09:35	03/16/16 22:49	10
Manganese	260		0.42	0.084	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Nickel	7.7	B	0.42	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Potassium	450		21	3.4	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Selenium	0.21	J	0.42	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Silver	<0.21		0.21	0.049	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Sodium	1100	B	42	5.6	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Thallium	<0.42		0.42	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	1
Vanadium	7.5		0.21	0.062	mg/Kg	☼	03/15/16 09:35	03/16/16 04:51	1
Zinc	58	B	0.84	0.27	mg/Kg	☼	03/15/16 09:35	03/16/16 21:01	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		03/17/16 16:30	03/18/16 09:46	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		03/16/16 16:00	03/17/16 10:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	19	9.8	ug/Kg	☼	03/15/16 16:45	03/16/16 20:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.05		0.200	0.200	SU			03/11/16 15:21	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-21(0-1)-030916

Lab Sample ID: 500-108574-2

Date Collected: 03/09/16 15:08

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 12:45	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 12:45	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 12:45	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 12:45	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 12:45	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 12:45	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 12:45	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 12:45	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 12:45	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 12:45	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 12:45	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 12:45	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 12:45	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 12:45	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 12:45	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 12:45	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 12:45	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 12:45	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 12:45	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 12:45	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 12:45	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 12:45	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 12:45	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 12:45	1
Dibromofluoromethane	108		75 - 120		03/11/16 12:45	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/11/16 12:45	1
Toluene-d8 (Surr)	105		75 - 122		03/11/16 12:45	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	☼	03/10/16 21:43	03/16/16 19:54	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-21(0-1)-030916

Lab Sample ID: 500-108574-2

Date Collected: 03/09/16 15:08

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Anthracene	<35		35	5.9	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Benzo[a]anthracene	38		35	4.8	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Benzo[a]pyrene	52	*	35	6.8	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Benzo[b]fluoranthene	120	*	35	7.6	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Benzo[g,h,i]perylene	28	J *	35	11	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Benzo[k]fluoranthene	35	*	35	10	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Carbazole	<180		180	88	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Chrysene	61		35	9.6	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Fluoranthene	110		35	6.5	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-21(0-1)-030916

Lab Sample ID: 500-108574-2

Date Collected: 03/09/16 15:08

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	28	J *	35	9.2	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Isophorone	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Phenanthrene	39		35	4.9	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Phenol	<180		180	78	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Pyrene	99		35	7.0	ug/Kg	☼	03/10/16 21:43	03/16/16 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		35 - 137				03/10/16 21:43	03/16/16 19:54	1
2-Fluorobiphenyl	73		25 - 119				03/10/16 21:43	03/16/16 19:54	1
2-Fluorophenol	82		25 - 110				03/10/16 21:43	03/16/16 19:54	1
Nitrobenzene-d5	69		25 - 115				03/10/16 21:43	03/16/16 19:54	1
Phenol-d5	77		31 - 110				03/10/16 21:43	03/16/16 19:54	1
Terphenyl-d14	89		36 - 134				03/10/16 21:43	03/16/16 19:54	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		03/17/16 08:30	03/17/16 18:45	1
Barium	0.11	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 18:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 18:45	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 18:45	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:45	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:45	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:45	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 18:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 18:45	1
Manganese	0.80		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:45	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:45	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 18:45	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:45	1
Zinc	0.23	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 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		03/16/16 08:28	03/17/16 15:17	1
Barium	<0.50		0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:17	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:17	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:17	1
Iron	0.73		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:17	1
Manganese	0.015	J	0.025	0.010	mg/L		03/16/16 08:28	03/18/16 03:45	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-21(0-1)-030916

Lab Sample ID: 500-108574-2

Date Collected: 03/09/16 15:08

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.0

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		03/16/16 08:28	03/17/16 15:17	1
Zinc	0.10	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	0.80	0.17	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Arsenic	0.70		0.40	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Barium	6.3		0.40	0.074	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Beryllium	0.10	J	0.16	0.035	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Cadmium	0.18		0.080	0.023	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Calcium	210000	B	80	26	mg/Kg	☼	03/15/16 09:35	03/16/16 22:53	10
Chromium	4.4	B	2.0	0.069	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Cobalt	1.1		0.20	0.045	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Copper	2.9		0.40	0.087	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Iron	3000	B	8.0	3.1	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Lead	8.3		0.20	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Magnesium	130000	B	40	16	mg/Kg	☼	03/15/16 09:35	03/16/16 22:53	10
Manganese	210		0.40	0.080	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Nickel	3.7	B	0.40	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Potassium	410		20	3.3	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Selenium	<0.40		0.40	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Silver	<0.20		0.20	0.047	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Sodium	1100	B	40	5.3	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Thallium	<0.40		0.40	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1
Vanadium	2.7		0.20	0.059	mg/Kg	☼	03/15/16 09:35	03/16/16 04:56	1
Zinc	22	B	0.80	0.25	mg/Kg	☼	03/15/16 09:35	03/16/16 21:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/17/16 16:30	03/18/16 09:48	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		03/16/16 16:00	03/17/16 10:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<16		16	8.3	ug/Kg	☼	03/15/16 16:45	03/16/16 20:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92		0.200	0.200	SU			03/11/16 15:28	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-22(0-1)-030916

Lab Sample ID: 500-108574-3

Date Collected: 03/09/16 15:13

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 13:11	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 13:11	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		03/11/16 13:11	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:11	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:11	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:11	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 13:11	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 13:11	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:11	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:11	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/11/16 13:11	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:11	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 13:11	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:11	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 13:11	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 13:11	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 13:11	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 13:11	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 13:11	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:11	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:11	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 13:11	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 13:11	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 13:11	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 13:11	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 13:11	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:11	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 13:11	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:11	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 13:11	1
Dibromofluoromethane	105		75 - 120		03/11/16 13:11	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 13:11	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 13:11	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	39	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-22(0-1)-030916

Lab Sample ID: 500-108574-3

Date Collected: 03/09/16 15:13

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Acenaphthylene	9.1 J		36	4.8	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Anthracene	<36		36	6.1	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Benzo[a]anthracene	21 J		36	4.9	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Benzo[a]pyrene	27 J		36	7.1	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Benzo[b]fluoranthene	49		36	7.9	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Benzo[g,h,i]perylene	23 J		36	12	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Benzo[k]fluoranthene	19 J		36	11	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Carbazole	<180		180	91	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Chrysene	34 J		36	9.9	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Fluoranthene	45		36	6.8	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-22(0-1)-030916

Lab Sample ID: 500-108574-3

Date Collected: 03/09/16 15:13

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Isophorone	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Phenanthrene	17	J	36	5.1	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Phenol	<180		180	81	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1
Pyrene	41		36	7.2	ug/Kg	☼	03/10/16 21:43	03/15/16 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137	03/10/16 21:43	03/15/16 23:07	1
2-Fluorobiphenyl	73		25 - 119	03/10/16 21:43	03/15/16 23:07	1
2-Fluorophenol	79		25 - 110	03/10/16 21:43	03/15/16 23:07	1
Nitrobenzene-d5	69		25 - 115	03/10/16 21:43	03/15/16 23:07	1
Phenol-d5	76		31 - 110	03/10/16 21:43	03/15/16 23:07	1
Terphenyl-d14	78		36 - 134	03/10/16 21:43	03/15/16 23:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Barium	0.23	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 18:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 18:50	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 18:50	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 18:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 18:50	1
Manganese	1.5		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 18:50	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:50	1
Zinc	0.14	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 18:50	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		03/16/16 08:28	03/17/16 15:21	1
Barium	0.063	J	0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:21	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:21	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:21	1
Iron	6.5		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:21	1
Lead	0.041		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:21	1
Manganese	0.30		0.025	0.010	mg/L		03/16/16 08:28	03/18/16 03:49	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-22(0-1)-030916

Lab Sample ID: 500-108574-3

Date Collected: 03/09/16 15:13

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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		03/16/16 08:28	03/17/16 15:21	1
Zinc	0.10	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.91		0.91	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Arsenic	1.6		0.45	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Barium	23		0.45	0.083	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Beryllium	0.14	J	0.18	0.039	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Cadmium	0.12		0.091	0.026	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Calcium	100000	B	91	29	mg/Kg	☼	03/15/16 09:35	03/16/16 22:58	10
Chromium	5.2	B	2.3	0.078	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Cobalt	2.2		0.23	0.051	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Copper	4.2		0.45	0.099	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Iron	4500	B	9.1	3.5	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Lead	21		0.23	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Magnesium	60000	B	45	18	mg/Kg	☼	03/15/16 09:35	03/16/16 22:58	10
Manganese	290		0.45	0.090	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Nickel	4.6	B	0.45	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Potassium	400		23	3.7	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Selenium	<0.45		0.45	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Silver	<0.23		0.23	0.053	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Sodium	550	B	45	6.0	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	1
Vanadium	5.6		0.23	0.066	mg/Kg	☼	03/15/16 09:35	03/16/16 05:01	1
Zinc	33	B	0.91	0.29	mg/Kg	☼	03/15/16 09:35	03/16/16 21:11	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		03/17/16 16:30	03/18/16 09:50	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		03/16/16 16:00	03/17/16 10:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		16	8.6	ug/Kg	☼	03/15/16 16:45	03/16/16 20:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.55		0.200	0.200	SU			03/11/16 15:34	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-23(0-1)-030916

Lab Sample ID: 500-108574-4

Date Collected: 03/09/16 15:26

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 13:37	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 13:37	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 13:37	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:37	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:37	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 13:37	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 13:37	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 13:37	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 13:37	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:37	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 13:37	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 13:37	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 13:37	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 13:37	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 13:37	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 13:37	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 13:37	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 13:37	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 13:37	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 13:37	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 13:37	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 13:37	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 13:37	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 13:37	1
Dibromofluoromethane	108		75 - 120		03/11/16 13:37	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 13:37	1
Toluene-d8 (Surr)	106		75 - 122		03/11/16 13:37	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	☼	03/10/16 21:43	03/16/16 20:22	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-23(0-1)-030916

Lab Sample ID: 500-108574-4

Date Collected: 03/09/16 15:26

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.1

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	80	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Anthracene	7.9	J	35	5.9	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Benzo[a]anthracene	35		35	4.7	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Benzo[a]pyrene	36	*	35	6.8	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Benzo[b]fluoranthene	66	*	35	7.6	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Benzo[g,h,i]perylene	21	J *	35	11	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Benzo[k]fluoranthene	25	J *	35	10	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Carbazole	<180		180	88	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Chrysene	41		35	9.6	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Fluoranthene	81		35	6.5	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-23(0-1)-030916

Lab Sample ID: 500-108574-4

Date Collected: 03/09/16 15:26

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.1

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	20	J *	35	9.1	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Isophorone	<180		180	40	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Phenanthrene	41		35	4.9	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Phenol	<180		180	78	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1
Pyrene	99		35	7.0	ug/Kg	☼	03/10/16 21:43	03/16/16 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137	03/10/16 21:43	03/16/16 20:22	1
2-Fluorobiphenyl	75		25 - 119	03/10/16 21:43	03/16/16 20:22	1
2-Fluorophenol	82		25 - 110	03/10/16 21:43	03/16/16 20:22	1
Nitrobenzene-d5	67		25 - 115	03/10/16 21:43	03/16/16 20:22	1
Phenol-d5	82		31 - 110	03/10/16 21:43	03/16/16 20:22	1
Terphenyl-d14	124		36 - 134	03/10/16 21:43	03/16/16 20:22	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		03/17/16 08:30	03/17/16 18:55	1
Barium	0.16	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 18:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 18:55	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 18:55	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:55	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:55	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:55	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 18:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 18:55	1
Manganese	1.7		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:55	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:55	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 18:55	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 18:55	1
Zinc	0.11	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 18:55	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		03/16/16 08:28	03/17/16 15:25	1
Barium	<0.50		0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:25	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:25	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:25	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:25	1
Iron	4.5		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:25	1
Lead	0.029		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:25	1
Manganese	0.16		0.025	0.010	mg/L		03/16/16 08:28	03/18/16 03:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:25	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-23(0-1)-030916

Lab Sample ID: 500-108574-4

Date Collected: 03/09/16 15:26

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.1

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		03/16/16 08:28	03/17/16 15:25	1
Zinc	0.068	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.0	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Arsenic	1.2		0.50	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Barium	11		0.50	0.092	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Beryllium	0.14	J	0.20	0.044	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Cadmium	0.073	J	0.10	0.029	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Calcium	140000	B	100	32	mg/Kg	☼	03/15/16 09:35	03/16/16 23:02	10
Chromium	4.9	B	2.5	0.086	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Cobalt	1.8		0.25	0.057	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Copper	3.0		0.50	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Iron	4000	B	10	3.9	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Lead	16		0.25	0.13	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Magnesium	85000	B	50	20	mg/Kg	☼	03/15/16 09:35	03/16/16 23:02	10
Manganese	240		0.50	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Nickel	4.6	B	0.50	0.14	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Potassium	380		25	4.1	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Sodium	430	B	50	6.6	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	1
Vanadium	5.1		0.25	0.073	mg/Kg	☼	03/15/16 09:35	03/16/16 05:06	1
Zinc	23	B	1.0	0.32	mg/Kg	☼	03/15/16 09:35	03/16/16 21:17	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		03/17/16 16:30	03/18/16 09:52	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		03/16/16 16:00	03/17/16 10:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	8.9	ug/Kg	☼	03/15/16 16:45	03/16/16 20:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.67		0.200	0.200	SU			03/11/16 15:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-24(0-1)-030916

Lab Sample ID: 500-108574-5

Date Collected: 03/09/16 15:29

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 14:03	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 14:03	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 14:03	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 14:03	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 14:03	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 14:03	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 14:03	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 14:03	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 14:03	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 14:03	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 14:03	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 14:03	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 14:03	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/11/16 14:03	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 14:03	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/11/16 14:03	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 14:03	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 14:03	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 14:03	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 14:03	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 14:03	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 14:03	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 14:03	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 14:03	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 14:03	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 14:03	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/11/16 14:03	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 14:03	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 14:03	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 14:03	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 14:03	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 14:03	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 14:03	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 14:03	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 14:03	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 14:03	1
Dibromofluoromethane	109		75 - 120		03/11/16 14:03	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/11/16 14:03	1
Toluene-d8 (Surr)	105		75 - 122		03/11/16 14:03	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	☼	03/10/16 21:43	03/16/16 20:51	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-24(0-1)-030916

Lab Sample ID: 500-108574-5

Date Collected: 03/09/16 15:29

Matrix: Solid

Date Received: 03/09/16 16:45

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	85	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Acenaphthylene	5.7	J	37	4.9	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Anthracene	8.8	J	37	6.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Benzo[a]anthracene	61		37	5.0	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Benzo[a]pyrene	81	*	37	7.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Benzo[b]fluoranthene	170	*	37	8.0	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Benzo[g,h,i]perylene	55	*	37	12	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Benzo[k]fluoranthene	56	*	37	11	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Carbazole	<190		190	93	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Chrysene	87		37	10	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Fluoranthene	150		37	6.9	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-24(0-1)-030916

Lab Sample ID: 500-108574-5

Date Collected: 03/09/16 15:29

Matrix: Solid

Date Received: 03/09/16 16:45

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	54	*	37	9.6	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Phenanthrene	58		37	5.2	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Phenol	<190		190	82	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Pyrene	200		37	7.4	ug/Kg	☼	03/10/16 21:43	03/16/16 20:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				03/10/16 21:43	03/16/16 20:51	1
2-Fluorobiphenyl	77		25 - 119				03/10/16 21:43	03/16/16 20:51	1
2-Fluorophenol	86		25 - 110				03/10/16 21:43	03/16/16 20:51	1
Nitrobenzene-d5	70		25 - 115				03/10/16 21:43	03/16/16 20:51	1
Phenol-d5	88		31 - 110				03/10/16 21:43	03/16/16 20:51	1
Terphenyl-d14	142	X	36 - 134				03/10/16 21:43	03/16/16 20:51	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		03/17/16 08:30	03/17/16 19:00	1
Barium	0.18	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 19:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 19:00	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 19:00	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:00	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:00	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:00	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 19:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 19:00	1
Manganese	1.1		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:00	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 19:00	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:00	1
Zinc	0.31	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 19:00	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		03/16/16 08:28	03/17/16 15:29	1
Barium	<0.50		0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:29	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:29	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:29	1
Iron	1.8		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:29	1
Lead	0.023		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:29	1
Manganese	0.045		0.025	0.010	mg/L		03/16/16 08:28	03/18/16 03:57	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-24(0-1)-030916

Lab Sample ID: 500-108574-5

Date Collected: 03/09/16 15:29

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.7

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		03/16/16 08:28	03/17/16 15:29	1
Zinc	0.045	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.95		0.95	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Arsenic	1.2		0.48	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Barium	14		0.48	0.087	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Beryllium	0.14	J	0.19	0.041	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Cadmium	0.11		0.095	0.028	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Calcium	170000	B	95	31	mg/Kg	☼	03/15/16 09:35	03/16/16 23:06	10
Chromium	9.2	B	2.4	0.082	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Cobalt	2.1		0.24	0.054	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Copper	5.3		0.48	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Iron	5300	B	9.5	3.7	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Lead	50		0.24	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Magnesium	100000	B	48	19	mg/Kg	☼	03/15/16 09:35	03/16/16 23:06	10
Manganese	240		0.48	0.094	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Nickel	5.0	B	0.48	0.13	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Potassium	470		24	3.9	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Selenium	<0.48		0.48	0.24	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Sodium	930	B	48	6.3	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Thallium	<0.48		0.48	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	1
Vanadium	5.0		0.24	0.070	mg/Kg	☼	03/15/16 09:35	03/16/16 05:11	1
Zinc	51	B	0.95	0.30	mg/Kg	☼	03/15/16 09:35	03/16/16 21:22	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		03/17/16 16:30	03/18/16 09:54	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		03/16/16 16:00	03/17/16 11:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<19		19	9.8	ug/Kg	☼	03/15/16 16:45	03/16/16 20:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.70		0.200	0.200	SU			03/11/16 15:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916

Lab Sample ID: 500-108574-6

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 14:30	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:30	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		03/11/16 14:30	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:30	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:30	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:30	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:30	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:30	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 14:30	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 14:30	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:30	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:30	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:30	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/11/16 14:30	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:30	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		03/11/16 14:30	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:30	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 14:30	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 14:30	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:30	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 14:30	1
Methylene Chloride	<5.8		5.8	4.3	ug/Kg	☼		03/11/16 14:30	1
Methyl Ethyl Ketone	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 14:30	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:30	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:30	1
Styrene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:30	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.91	ug/Kg	☼		03/11/16 14:30	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:30	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 14:30	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:30	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 14:30	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:30	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 14:30	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 14:30	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:30	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 14:30	1
Dibromofluoromethane	108		75 - 120		03/11/16 14:30	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 14:30	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 14:30	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	☼	03/10/16 21:43	03/16/16 21:20	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916

Lab Sample ID: 500-108574-6

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Acenaphthylene	80		37	4.9	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Anthracene	36 J		37	6.2	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Benzo[a]anthracene	230		37	5.0	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Benzo[a]pyrene	300 *		37	7.2	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Benzo[b]fluoranthene	530 *		37	8.1	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Benzo[g,h,i]perylene	140 *		37	12	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Benzo[k]fluoranthene	170 *		37	11	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Butyl benzyl phthalate	1500		190	71	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Carbazole	<190		190	93	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Chrysene	270		37	10	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Dibenz(a,h)anthracene	33 J *		37	7.2	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Fluoranthene	380		37	6.9	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Hexachlorocyclopentadiene	<750		750	220	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916

Lab Sample ID: 500-108574-6

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.9

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	*	37	9.7	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Phenanthrene	130		37	5.2	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Phenol	<190		190	83	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Pyrene	600		37	7.4	ug/Kg	☼	03/10/16 21:43	03/16/16 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				03/10/16 21:43	03/16/16 21:20	1
2-Fluorobiphenyl	73		25 - 119				03/10/16 21:43	03/16/16 21:20	1
2-Fluorophenol	81		25 - 110				03/10/16 21:43	03/16/16 21:20	1
Nitrobenzene-d5	66		25 - 115				03/10/16 21:43	03/16/16 21:20	1
Phenol-d5	82		31 - 110				03/10/16 21:43	03/16/16 21:20	1
Terphenyl-d14	146	X	36 - 134				03/10/16 21:43	03/16/16 21:20	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		03/17/16 08:30	03/17/16 19:05	1
Barium	0.17	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 19:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 19:05	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 19:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:05	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:05	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 19:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 19:05	1
Manganese	1.3		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:05	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 19:05	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:05	1
Zinc	0.14	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 19:05	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		03/16/16 08:28	03/17/16 15:54	1
Barium	<0.50		0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:54	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:54	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:54	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:54	1
Iron	4.6		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:54	1
Lead	0.053		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:54	1
Manganese	0.15		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:54	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916

Lab Sample ID: 500-108574-6

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.9

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		03/16/16 08:28	03/17/16 15:54	1
Zinc	0.087	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.87		0.87	0.18	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Arsenic	1.5		0.44	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Barium	21		0.44	0.080	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Beryllium	0.19		0.17	0.038	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Cadmium	0.13		0.087	0.025	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Calcium	160000	B	87	28	mg/Kg	☼	03/15/16 09:35	03/16/16 23:11	10
Chromium	10	B	2.2	0.075	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Cobalt	2.3		0.22	0.049	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Copper	5.8		0.44	0.095	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Iron	5600	B	8.7	3.4	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Lead	56		0.22	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Magnesium	96000	B	44	18	mg/Kg	☼	03/15/16 09:35	03/16/16 23:11	10
Manganese	300		0.44	0.086	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Nickel	6.0	B	0.44	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Potassium	460		22	3.6	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Selenium	<0.44		0.44	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Silver	<0.22		0.22	0.051	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Sodium	1300	B	44	5.8	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Thallium	<0.44		0.44	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	1
Vanadium	5.5		0.22	0.064	mg/Kg	☼	03/15/16 09:35	03/16/16 05:24	1
Zinc	43	B	0.87	0.28	mg/Kg	☼	03/15/16 09:35	03/16/16 21:27	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		03/17/16 16:30	03/18/16 09:56	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		03/16/16 16:00	03/17/16 11:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.5	J	17	9.0	ug/Kg	☼	03/15/16 16:45	03/16/16 20:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.41		0.200	0.200	SU			03/11/16 15:54	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916D

Lab Sample ID: 500-108574-7

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 14:56	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:56	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/11/16 14:56	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:56	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:56	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:56	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:56	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 14:56	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 14:56	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:56	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:56	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/11/16 14:56	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:56	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/11/16 14:56	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:56	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 14:56	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 14:56	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 14:56	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 14:56	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 14:56	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:56	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/11/16 14:56	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 14:56	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 14:56	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 14:56	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 14:56	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 14:56	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 14:56	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 14:56	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 14:56	1
Dibromofluoromethane	107		75 - 120		03/11/16 14:56	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134		03/11/16 14:56	1
Toluene-d8 (Surr)	107		75 - 122		03/11/16 14:56	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	☼	03/10/16 21:43	03/16/16 21:49	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916D

Lab Sample ID: 500-108574-7

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

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	☼	03/10/16 21:43	03/16/16 21:49	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2-Methylnaphthalene	6.9	J	37	6.9	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Acenaphthylene	50		37	4.9	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Anthracene	29	J	37	6.3	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Benzo[a]anthracene	140		37	5.0	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Benzo[a]pyrene	190	*	37	7.3	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Benzo[b]fluoranthene	350	*	37	8.1	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Benzo[g,h,i]perylene	110	*	37	12	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Benzo[k]fluoranthene	140	*	37	11	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Butyl benzyl phthalate	220		190	71	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Carbazole	<190		190	94	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Chrysene	180		37	10	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Dibenz(a,h)anthracene	21	J *	37	7.2	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Fluoranthene	270		37	7.0	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Fluorene	6.6	J	37	5.3	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916D

Lab Sample ID: 500-108574-7

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

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	110	*	37	9.7	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Phenanthrene	100		37	5.2	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Phenol	<190		190	83	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Pyrene	440		37	7.5	ug/Kg	☼	03/10/16 21:43	03/16/16 21:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		35 - 137				03/10/16 21:43	03/16/16 21:49	1
2-Fluorobiphenyl	81		25 - 119				03/10/16 21:43	03/16/16 21:49	1
2-Fluorophenol	89		25 - 110				03/10/16 21:43	03/16/16 21:49	1
Nitrobenzene-d5	74		25 - 115				03/10/16 21:43	03/16/16 21:49	1
Phenol-d5	91		31 - 110				03/10/16 21:43	03/16/16 21:49	1
Terphenyl-d14	166	X	36 - 134				03/10/16 21:43	03/16/16 21:49	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		03/17/16 08:30	03/17/16 19:10	1
Barium	0.18	J	0.50	0.050	mg/L		03/17/16 08:30	03/17/16 19:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 08:30	03/17/16 19:10	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		03/17/16 08:30	03/17/16 19:10	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:10	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:10	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 08:30	03/17/16 19:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 08:30	03/17/16 19:10	1
Manganese	1.1		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 08:30	03/17/16 19:10	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 08:30	03/17/16 19:10	1
Zinc	0.17	J B	0.50	0.020	mg/L		03/17/16 08:30	03/17/16 19:10	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		03/16/16 08:28	03/17/16 15:58	1
Barium	<0.50		0.50	0.050	mg/L		03/16/16 08:28	03/17/16 15:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 08:28	03/17/16 15:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 08:28	03/17/16 15:58	1
Chromium	0.011	J	0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:58	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:58	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:58	1
Iron	6.8		0.40	0.20	mg/L		03/16/16 08:28	03/17/16 15:58	1
Lead	0.084		0.0075	0.0075	mg/L		03/16/16 08:28	03/17/16 15:58	1
Manganese	0.19		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:58	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 08:28	03/17/16 15:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 08:28	03/17/16 15:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Client Sample ID: KR-25(0-1)-030916D

Lab Sample ID: 500-108574-7

Date Collected: 03/09/16 15:38

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

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		03/16/16 08:28	03/17/16 15:58	1
Zinc	0.11	J B	0.50	0.020	mg/L		03/16/16 08:28	03/17/16 15:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.33	J F1	1.1	0.24	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Arsenic	1.9		0.57	0.26	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Barium	26	F1 F2	0.57	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Beryllium	0.23		0.23	0.049	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Calcium	120000	B	110	37	mg/Kg	☼	03/15/16 09:35	03/16/16 23:17	10
Chromium	13	B F1	2.9	0.098	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Cobalt	3.1		0.29	0.064	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Copper	9.3	F1	0.57	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Iron	7500	B	11	4.4	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Lead	89		0.29	0.14	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Magnesium	70000	B	57	23	mg/Kg	☼	03/15/16 09:35	03/16/16 23:17	10
Manganese	380		0.57	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Nickel	9.4	B	0.57	0.15	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Potassium	560	F1	29	4.7	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Selenium	0.43	J	0.57	0.28	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Sodium	1600	B F1	57	7.5	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	1
Vanadium	7.5		0.29	0.083	mg/Kg	☼	03/15/16 09:35	03/16/16 05:29	1
Zinc	60	B F1	1.1	0.36	mg/Kg	☼	03/15/16 09:35	03/16/16 21:32	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		03/17/16 16:30	03/18/16 09:58	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		03/16/16 16:00	03/17/16 11:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	19	10	ug/Kg	☼	03/15/16 16:45	03/16/16 20:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.12		0.200	0.200	SU			03/11/16 16:00	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
*	ISTD response or retention time outside acceptable 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108574-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53



500-108574 COC

Report To (optional)

Contact: S. Babu
Company: Weston Solutions
Address: 300 Plaza Cir, Ste 202
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)

Contact:
Company:
Address: SAME
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108574
Chain of Custody Number:
Page 5 of 5
Temperature °C of Cooler: 31

Client		Client Project #		Preservative		Parameter												Preservative Key			
Weston																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other			
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM										Comments			
IDOT 039		Wilmington, IL				A. Tarkas		Dick Wright		VOC		SVOC		Total Metals		TCUP/SPCP Metals		-pH			
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers	Matrix														
		Date	Time																		
1		KR-20(0-1)-030916		3/9/16	1503	2	S	X	X	X	X	X									
2		KR-21(0-1)-030916		3/9/16	1508	2	S	X	X	X	X	X									
3		KR-22(0-1)-030916		3/9/16	1513	2	S	X	X	X	X	X									
4		KR-23(0-1)-030916		3/9/16	1526	2	S	X	X	X	X	X									
5		KR-24(0-1)-030916		3/9/16	1529	2	S	X	X	X	X	X									
6		KR-25(0-1)-030916		3/9/16	1538	2	S	X	X	X	X	X									
7		KR-25(0-1)-030916D		3/9/16	1538	2	S	X	X	X	X	X									

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By: <u>Abdul M. Tufail</u> Company: <u>Weston</u> Date: <u>3/9/16</u> Time: <u>1555</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/9/16</u> Time: <u>1555</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/9/16</u> Time: <u>1645</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>3/9/16</u> Time: <u>1645</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: <u>TA</u>
Shipped: _____
Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108661-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/24/2016 1:32:00 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-43(0-1)-031016

Lab Sample ID: 500-108661-1

Date Collected: 03/10/16 12:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 10:46	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 10:46	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		03/12/16 10:46	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 10:46	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 10:46	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 10:46	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 10:46	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 10:46	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/12/16 10:46	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 10:46	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 10:46	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 10:46	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 10:46	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/12/16 10:46	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 10:46	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/12/16 10:46	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 10:46	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 10:46	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 10:46	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 10:46	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/12/16 10:46	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/12/16 10:46	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 10:46	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 10:46	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 10:46	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 10:46	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/12/16 10:46	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 10:46	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 10:46	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 10:46	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 10:46	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 10:46	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 10:46	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 10:46	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 10:46	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/12/16 10:46	1
Dibromofluoromethane	111		75 - 120		03/12/16 10:46	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134		03/12/16 10:46	1
Toluene-d8 (Surr)	104		75 - 122		03/12/16 10:46	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	☼	03/13/16 17:36	03/21/16 13:46	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-43(0-1)-031016

Lab Sample ID: 500-108661-1

Date Collected: 03/10/16 12:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.1

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	☼	03/13/16 17:36	03/21/16 13:46	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2-Methylnaphthalene	9.4	J	38	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Anthracene	<38		38	6.3	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Benzo[a]anthracene	21	J	38	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Benzo[a]pyrene	26	J	38	7.3	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Benzo[b]fluoranthene	44		38	8.2	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Benzo[g,h,i]perylene	21	J	38	12	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Benzo[k]fluoranthene	18	J	38	11	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Carbazole	<190		190	95	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Chrysene	31	J	38	10	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Fluoranthene	52		38	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Hexachlorocyclopentadiene	<760	*	760	220	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-43(0-1)-031016

Lab Sample ID: 500-108661-1

Date Collected: 03/10/16 12:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.1

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	17	J	38	9.8	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Isophorone	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Naphthalene	<38		38	5.8	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Phenanthrene	32	J	38	5.3	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Phenol	<190		190	84	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1
Pyrene	38		38	7.5	ug/Kg	☼	03/13/16 17:36	03/21/16 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	75		35 - 137	03/13/16 17:36	03/21/16 13:46	1
<i>2-Fluorobiphenyl</i>	75		25 - 119	03/13/16 17:36	03/21/16 13:46	1
<i>2-Fluorophenol</i>	78		25 - 110	03/13/16 17:36	03/21/16 13:46	1
<i>Nitrobenzene-d5</i>	64		25 - 115	03/13/16 17:36	03/21/16 13:46	1
<i>Phenol-d5</i>	86		31 - 110	03/13/16 17:36	03/21/16 13:46	1
<i>Terphenyl-d14</i>	75		36 - 134	03/13/16 17:36	03/21/16 13:46	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		03/19/16 12:32	03/21/16 23:11	1
Barium	0.27	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:11	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:11	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:11	1
Manganese	0.29		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:11	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:11	1
Zinc	0.098	J B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/19/16 12:34	03/21/16 13:06	1
Barium	0.12	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:06	1
Chromium	0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:06	1
Copper	0.021	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:06	1
Iron	21		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:06	1
Lead	0.095		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:06	1
Manganese	0.37		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:06	1
Nickel	0.017	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 05:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-43(0-1)-031016

Lab Sample ID: 500-108661-1

Date Collected: 03/10/16 12:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.1

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		03/19/16 12:34	03/21/16 13:06	1
Zinc	0.14	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1	F1	1.1	0.24	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Arsenic	1.8		0.57	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Barium	31		0.57	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Beryllium	0.19	J	0.23	0.049	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Cadmium	0.22		0.11	0.033	mg/Kg	☼	03/16/16 11:30	03/19/16 18:49	1
Calcium	140000	B F2	110	37	mg/Kg	☼	03/16/16 11:30	03/20/16 01:59	10
Chromium	4.7	F1 F2	0.57	0.098	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Cobalt	2.9		0.29	0.064	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Copper	5.4		0.57	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Iron	5600	B	11	4.4	mg/Kg	☼	03/16/16 11:30	03/19/16 18:49	1
Lead	260	F2	0.29	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Magnesium	85000	B F2	57	23	mg/Kg	☼	03/16/16 11:30	03/20/16 01:59	10
Manganese	330	B	0.57	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Nickel	5.2		0.57	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Potassium	520	F1	29	4.7	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Sodium	1300	F1	57	7.5	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Vanadium	6.8	^	0.29	0.083	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	1
Zinc	35	B	1.1	0.36	mg/Kg	☼	03/16/16 11:30	03/19/16 05:48	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		03/19/16 18:45	03/21/16 11:46	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		03/19/16 18:45	03/21/16 10:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.4	ug/Kg	☼	03/18/16 15:00	03/19/16 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.04		0.200	0.200	SU			03/12/16 13:10	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-44(0-1)-031016

Lab Sample ID: 500-108661-2

Date Collected: 03/10/16 12:56

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/12/16 12:04	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/12/16 12:04	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/12/16 12:04	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/12/16 12:04	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/12/16 12:04	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/12/16 12:04	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/12/16 12:04	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
Dibromochloromethane	<6.0		6.0	0.68	ug/Kg	☼		03/12/16 12:04	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		03/12/16 12:04	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/12/16 12:04	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/12/16 12:04	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/12/16 12:04	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/12/16 12:04	1
2-Hexanone	<6.0		6.0	1.8	ug/Kg	☼		03/12/16 12:04	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/12/16 12:04	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/12/16 12:04	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/12/16 12:04	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/12/16 12:04	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/12/16 12:04	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/12/16 12:04	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 12:04	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/12/16 12:04	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 12:04	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/12/16 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/12/16 12:04	1
Dibromofluoromethane	108		75 - 120		03/12/16 12:04	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/12/16 12:04	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 12:04	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	☼	03/13/16 17:36	03/24/16 10:28	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-44(0-1)-031016

Lab Sample ID: 500-108661-2

Date Collected: 03/10/16 12:56

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,4-Dinitrophenol	<760	F1	760	660	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2-Methylnaphthalene	<38		38	6.9	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
3,3'-Dichlorobenzidine	<190	* F1 F2	190	53	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4,6-Dinitro-2-methylphenol	<760	F1	760	300	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4-Chloroaniline	<760	F2	760	180	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4-Nitroaniline	<380	F2	380	160	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Acenaphthylene	18	J	38	5.0	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Anthracene	19	J	38	6.3	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Benzo[a]anthracene	140	*	38	5.1	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Benzo[a]pyrene	180	*	38	7.3	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Benzo[b]fluoranthene	330	*	38	8.1	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Benzo[g,h,i]perylene	200	* F2	38	12	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Benzo[k]fluoranthene	160	*	38	11	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Bis(2-ethylhexyl) phthalate	140	J * F1	190	69	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Butyl benzyl phthalate	<190	* F1	190	72	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Carbazole	<190		190	94	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Chrysene	210	*	38	10	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Dibenz(a,h)anthracene	<38	*	38	7.3	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Di-n-octyl phthalate	<190	F1	190	62	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Fluoranthene	190	F1	38	7.0	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Fluorene	6.1	J	38	5.3	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Hexachlorocyclopentadiene	<760	F1 *	760	220	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Hexachloroethane	<190	F1	190	57	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-44(0-1)-031016
Date Collected: 03/10/16 12:56
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-2
Matrix: Solid
Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	120	*	38	9.8	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Isophorone	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Naphthalene	<38		38	5.8	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Phenanthrene	110		38	5.3	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Phenol	<190		190	84	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Pyrene	490	*	38	7.5	ug/Kg	☼	03/13/16 17:36	03/24/16 10:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	92		35 - 137				03/13/16 17:36	03/24/16 10:28	1
<i>2-Fluorobiphenyl</i>	91		25 - 119				03/13/16 17:36	03/24/16 10:28	1
<i>2-Fluorophenol</i>	83		25 - 110				03/13/16 17:36	03/24/16 10:28	1
<i>Nitrobenzene-d5</i>	77		25 - 115				03/13/16 17:36	03/24/16 10:28	1
<i>Phenol-d5</i>	79		31 - 110				03/13/16 17:36	03/24/16 10:28	1
<i>Terphenyl-d14</i>	209	*X	36 - 134				03/13/16 17:36	03/24/16 10:28	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		03/19/16 12:32	03/21/16 23:16	1
Barium	0.24	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:16	1
Copper	0.011	J	0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:16	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:16	1
Manganese	0.30		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:16	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:16	1
Zinc	0.26	J B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:16	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		03/19/16 12:34	03/21/16 13:22	1
Barium	0.15	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:22	1
Chromium	0.037		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:22	1
Copper	0.031		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:22	1
Iron	31		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:22	1
Lead	0.11		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:22	1
Manganese	0.54		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:22	1
Nickel	0.024	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 05:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-44(0-1)-031016

Lab Sample ID: 500-108661-2

Date Collected: 03/10/16 12:56

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 84.0

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		03/19/16 12:34	03/21/16 13:22	1
Zinc	0.22	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Arsenic	3.1		0.57	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Barium	41		0.57	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Beryllium	0.31		0.23	0.050	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Cadmium	0.28		0.11	0.033	mg/Kg	☼	03/16/16 11:30	03/19/16 19:15	1
Calcium	66000	B	110	37	mg/Kg	☼	03/16/16 11:30	03/20/16 02:27	10
Chromium	10		0.57	0.099	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Cobalt	5.0		0.29	0.065	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Copper	12		0.57	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Iron	8600	B	11	4.4	mg/Kg	☼	03/16/16 11:30	03/19/16 19:15	1
Lead	66		0.29	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Magnesium	29000	B	5.7	2.3	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Manganese	430	B	0.57	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Nickel	9.1		0.57	0.16	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Potassium	710		29	4.7	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Selenium	0.51	J	0.57	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Sodium	1700		57	7.6	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Vanadium	13	^	0.29	0.084	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	1
Zinc	80	B	1.1	0.36	mg/Kg	☼	03/16/16 11:30	03/19/16 06:23	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		03/19/16 18:45	03/21/16 11:52	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		03/19/16 18:45	03/21/16 10:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	9.0	ug/Kg	☼	03/18/16 15:00	03/19/16 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.71		0.200	0.200	SU			03/12/16 13:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-45(0-1)-031016

Lab Sample ID: 500-108661-3

Date Collected: 03/10/16 13:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/12/16 12:31	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 12:31	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/12/16 12:31	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 12:31	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 12:31	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 12:31	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 12:31	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/12/16 12:31	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 12:31	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 12:31	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/12/16 12:31	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 12:31	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/12/16 12:31	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 12:31	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 12:31	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 12:31	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 12:31	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/12/16 12:31	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/12/16 12:31	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 12:31	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 12:31	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/12/16 12:31	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 12:31	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/12/16 12:31	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 12:31	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 12:31	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 12:31	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 12:31	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 12:31	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		03/12/16 12:31	1
Dibromofluoromethane	108		75 - 120		03/12/16 12:31	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/12/16 12:31	1
Toluene-d8 (Surr)	104		75 - 122		03/12/16 12:31	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	☼	03/13/16 17:36	03/24/16 10:54	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-45(0-1)-031016

Lab Sample ID: 500-108661-3

Date Collected: 03/10/16 13:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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	80	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2-Chloronaphthalene	<180		180	39	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2-Chlorophenol	<180		180	60	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2-Methylnaphthalene	14	J	35	6.4	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2-Methylphenol	<180		180	56	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2-Nitroaniline	<180		180	47	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
2-Nitrophenol	<350		350	83	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
3,3'-Dichlorobenzidine	<180	*	180	49	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
3-Nitroaniline	<350		350	110	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4-Chloroaniline	<710		710	160	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4-Nitroaniline	<350		350	150	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
4-Nitrophenol	<710		710	330	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Acenaphthene	<35		35	6.3	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Acenaphthylene	6.8	J	35	4.6	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Anthracene	11	J	35	5.9	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Benzo[a]anthracene	33	J *	35	4.7	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Benzo[a]pyrene	120	*	35	6.8	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Benzo[b]fluoranthene	88	*	35	7.6	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Benzo[g,h,i]perylene	370	*	35	11	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Benzo[k]fluoranthene	34	J *	35	10	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Bis(2-ethylhexyl) phthalate	<180	*	180	64	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Butyl benzyl phthalate	<180	*	180	67	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Carbazole	<180		180	88	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Chrysene	160	*	35	9.6	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Dibenzofuran	<180		180	41	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Diethyl phthalate	<180		180	59	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Dimethyl phthalate	<180		180	46	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Fluoranthene	47		35	6.5	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Fluorene	<35		35	4.9	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Hexachlorobutadiene	<180		180	55	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Hexachlorocyclopentadiene	<710	*	710	200	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1
Hexachloroethane	<180		180	53	ug/Kg	*	03/13/16 17:36	03/24/16 10:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-45(0-1)-031016
Date Collected: 03/10/16 13:10
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-3
Matrix: Solid
Percent Solids: 89.7

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	140	*	35	9.1	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Isophorone	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Naphthalene	10	J	35	5.4	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Phenanthrene	45		35	4.9	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Phenol	<180		180	78	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1
Pyrene	180	*	35	7.0	ug/Kg	☼	03/13/16 17:36	03/24/16 10:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137	03/13/16 17:36	03/24/16 10:54	1
2-Fluorobiphenyl	93		25 - 119	03/13/16 17:36	03/24/16 10:54	1
2-Fluorophenol	91		25 - 110	03/13/16 17:36	03/24/16 10:54	1
Nitrobenzene-d5	73		25 - 115	03/13/16 17:36	03/24/16 10:54	1
Phenol-d5	78		31 - 110	03/13/16 17:36	03/24/16 10:54	1
Terphenyl-d14	162	X *	36 - 134	03/13/16 17:36	03/24/16 10:54	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		03/19/16 12:32	03/21/16 23:22	1
Barium	0.26	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:22	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:22	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:22	1
Manganese	0.33		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:22	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:22	1
Zinc	0.27	J B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:22	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		03/19/16 12:34	03/21/16 13:26	1
Barium	0.089	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:26	1
Chromium	0.016	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:26	1
Copper	0.012	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:26	1
Iron	13		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:26	1
Lead	0.038		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:26	1
Manganese	0.26		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:26	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 05:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-45(0-1)-031016

Lab Sample ID: 500-108661-3

Date Collected: 03/10/16 13:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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		03/19/16 12:34	03/21/16 13:26	1
Zinc	0.096	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Arsenic	2.6		0.53	0.24	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Barium	38		0.53	0.096	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Beryllium	0.27		0.21	0.046	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Cadmium	0.18		0.11	0.030	mg/Kg	☼	03/16/16 11:30	03/19/16 19:20	1
Calcium	88000	B	110	34	mg/Kg	☼	03/16/16 11:30	03/20/16 02:31	10
Chromium	6.7		0.53	0.091	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Cobalt	3.8		0.26	0.060	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Copper	6.7		0.53	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Iron	6600	B	11	4.1	mg/Kg	☼	03/16/16 11:30	03/19/16 19:20	1
Lead	22		0.26	0.13	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Magnesium	42000	B	5.3	2.1	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Manganese	380	B	0.53	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Nickel	8.6		0.53	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Potassium	730		26	4.3	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Sodium	750		53	7.0	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Vanadium	13	^	0.26	0.077	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	1
Zinc	47	B	1.1	0.33	mg/Kg	☼	03/16/16 11:30	03/19/16 06:28	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		03/19/16 18:45	03/21/16 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		03/19/16 18:45	03/21/16 10:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	17	8.9	ug/Kg	☼	03/18/16 15:00	03/19/16 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.31		0.200	0.200	SU			03/12/16 13:19	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-46(0-1)-031016

Lab Sample ID: 500-108661-4

Date Collected: 03/10/16 13:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/12/16 12:57	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/12/16 12:57	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/12/16 12:57	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 12:57	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 12:57	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 12:57	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/12/16 12:57	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/12/16 12:57	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 12:57	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 12:57	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/12/16 12:57	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 12:57	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/12/16 12:57	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 12:57	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		03/12/16 12:57	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/12/16 12:57	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/12/16 12:57	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/12/16 12:57	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/12/16 12:57	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/12/16 12:57	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 12:57	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/12/16 12:57	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/12/16 12:57	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/12/16 12:57	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/12/16 12:57	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/12/16 12:57	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/12/16 12:57	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/12/16 12:57	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/12/16 12:57	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/12/16 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/12/16 12:57	1
Dibromofluoromethane	111		75 - 120		03/12/16 12:57	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/12/16 12:57	1
Toluene-d8 (Surr)	104		75 - 122		03/12/16 12:57	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	☼	03/13/16 17:36	03/21/16 14:29	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-46(0-1)-031016

Lab Sample ID: 500-108661-4

Date Collected: 03/10/16 13:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.3

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	81	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Anthracene	<35		35	5.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Benzo[a]anthracene	32	J	35	4.8	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Benzo[a]pyrene	42	*	35	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Benzo[b]fluoranthene	76	*	35	7.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Benzo[g,h,i]perylene	24	J *	35	11	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Benzo[k]fluoranthene	31	J *	35	10	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Carbazole	<180		180	89	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Chrysene	46		35	9.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Dibenz(a,h)anthracene	<35	*	35	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Fluoranthene	89		35	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Hexachlorocyclopentadiene	<720	*	720	200	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-46(0-1)-031016

Lab Sample ID: 500-108661-4

Date Collected: 03/10/16 13:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.3

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	22	J*	35	9.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Isophorone	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Naphthalene	<35		35	5.5	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
N-Nitrosodi-n-propylamine	<72		72	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Phenanthrene	44		35	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Phenol	<180		180	79	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Pyrene	100		35	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	130		35 - 137				03/13/16 17:36	03/21/16 14:29	1
2-Fluorobiphenyl	90		25 - 119				03/13/16 17:36	03/21/16 14:29	1
2-Fluorophenol	91		25 - 110				03/13/16 17:36	03/21/16 14:29	1
Nitrobenzene-d5	86		25 - 115				03/13/16 17:36	03/21/16 14:29	1
Phenol-d5	98		31 - 110				03/13/16 17:36	03/21/16 14:29	1
Terphenyl-d14	145	X	36 - 134				03/13/16 17:36	03/21/16 14:29	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		03/19/16 12:32	03/21/16 23:27	1
Barium	0.12	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:27	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:27	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:27	1
Manganese	0.98		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:27	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:27	1
Zinc	0.58	B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:27	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		03/19/16 12:34	03/21/16 13:31	1
Barium	<0.50		0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:31	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:31	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:31	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:31	1
Iron	2.3		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:31	1
Lead	0.013		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:31	1
Manganese	0.034		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:31	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 05:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-46(0-1)-031016

Lab Sample ID: 500-108661-4

Date Collected: 03/10/16 13:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.3

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		03/19/16 12:34	03/21/16 13:31	1
Zinc	0.026	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Arsenic	0.57		0.53	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Barium	7.5		0.53	0.097	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Beryllium	0.12	J	0.21	0.046	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Cadmium	0.19		0.11	0.031	mg/Kg	☼	03/16/16 11:30	03/19/16 19:25	1
Calcium	190000	B	110	34	mg/Kg	☼	03/16/16 11:30	03/20/16 02:35	10
Chromium	2.7		0.53	0.091	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Cobalt	1.2		0.27	0.060	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Copper	3.4		0.53	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Iron	3800	B	11	4.1	mg/Kg	☼	03/16/16 11:30	03/19/16 19:25	1
Lead	12		0.27	0.13	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Magnesium	120000	B	53	22	mg/Kg	☼	03/16/16 11:30	03/20/16 02:35	10
Manganese	250	B	0.53	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Nickel	2.9		0.53	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Potassium	400		27	4.3	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Sodium	980		53	7.0	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Vanadium	2.8	^	0.27	0.078	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	1
Zinc	20	B	1.1	0.34	mg/Kg	☼	03/16/16 11:30	03/19/16 06:33	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		03/19/16 18:45	03/21/16 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		03/19/16 18:45	03/21/16 10:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	8.7	ug/Kg	☼	03/18/16 15:00	03/19/16 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00		0.200	0.200	SU			03/12/16 13:29	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-47(0-1)-031016

Lab Sample ID: 500-108661-5

Date Collected: 03/10/16 13:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/12/16 13:23	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 13:23	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/12/16 13:23	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 13:23	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 13:23	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 13:23	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 13:23	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/12/16 13:23	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 13:23	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 13:23	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/12/16 13:23	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 13:23	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/12/16 13:23	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 13:23	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 13:23	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 13:23	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 13:23	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/12/16 13:23	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/12/16 13:23	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 13:23	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 13:23	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/12/16 13:23	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 13:23	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/12/16 13:23	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 13:23	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 13:23	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 13:23	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 13:23	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 13:23	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/12/16 13:23	1
Dibromofluoromethane	109		75 - 120		03/12/16 13:23	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/12/16 13:23	1
Toluene-d8 (Surr)	104		75 - 122		03/12/16 13:23	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	☼	03/13/16 17:36	03/21/16 14:57	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-47(0-1)-031016

Lab Sample ID: 500-108661-5

Date Collected: 03/10/16 13:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Anthracene	9.2 J		37	6.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Benzo[a]anthracene	51		37	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Benzo[a]pyrene	54 *		37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Benzo[b]fluoranthene	88 *		37	8.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Benzo[g,h,i]perylene	28 J *		37	12	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Benzo[k]fluoranthene	33 J *		37	11	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Carbazole	<190		190	93	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Chrysene	61		37	10	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Dibenz(a,h)anthracene	<37 *		37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Fluoranthene	120		37	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Hexachlorocyclopentadiene	<750 *		750	210	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1

TestAmerica Chicago



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-47(0-1)-031016

Lab Sample ID: 500-108661-5

Date Collected: 03/10/16 13:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.4

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	28	J *	37	9.6	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Isophorone	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Phenanthrene	64		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Phenol	<190		190	82	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1
Pyrene	140		37	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		35 - 137	03/13/16 17:36	03/21/16 14:57	1
2-Fluorobiphenyl	74		25 - 119	03/13/16 17:36	03/21/16 14:57	1
2-Fluorophenol	77		25 - 110	03/13/16 17:36	03/21/16 14:57	1
Nitrobenzene-d5	71		25 - 115	03/13/16 17:36	03/21/16 14:57	1
Phenol-d5	78		31 - 110	03/13/16 17:36	03/21/16 14:57	1
Terphenyl-d14	125		36 - 134	03/13/16 17:36	03/21/16 14:57	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		03/19/16 12:32	03/21/16 23:32	1
Barium	0.25	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:32	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:32	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:32	1
Manganese	0.67		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:32	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:32	1
Zinc	0.098	J B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:32	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		03/19/16 12:34	03/21/16 13:35	1
Barium	0.17	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:35	1
Chromium	0.035		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:35	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:35	1
Copper	0.027		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:35	1
Iron	30		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:35	1
Lead	0.080		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:35	1
Manganese	0.36		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:35	1
Nickel	0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 05:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-47(0-1)-031016
Date Collected: 03/10/16 13:30
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-5
Matrix: Solid
Percent Solids: 89.4

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		03/19/16 12:34	03/21/16 13:35	1
Zinc	0.20	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	1.1	0.22	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Arsenic	1.9		0.54	0.25	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Barium	31		0.54	0.098	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Beryllium	0.24		0.21	0.046	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Cadmium	0.17		0.11	0.031	mg/Kg	✧	03/16/16 11:30	03/19/16 19:30	1
Calcium	140000	B	110	35	mg/Kg	✧	03/16/16 11:30	03/20/16 02:40	10
Chromium	5.5		0.54	0.092	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Cobalt	2.9		0.27	0.061	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Copper	6.6		0.54	0.12	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Iron	6200	B	11	4.1	mg/Kg	✧	03/16/16 11:30	03/19/16 19:30	1
Lead	44		0.27	0.13	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Magnesium	90000	B	54	22	mg/Kg	✧	03/16/16 11:30	03/20/16 02:40	10
Manganese	360	B	0.54	0.11	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Nickel	5.8		0.54	0.15	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Potassium	550		27	4.4	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Selenium	<0.54		0.54	0.27	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Silver	<0.27		0.27	0.063	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Sodium	1400		54	7.1	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Thallium	<0.54		0.54	0.26	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Vanadium	7.8	^	0.27	0.078	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	1
Zinc	35	B	1.1	0.34	mg/Kg	✧	03/16/16 11:30	03/19/16 06:38	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		03/19/16 18:45	03/21/16 12:01	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		03/19/16 18:45	03/21/16 11:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	8.8	ug/Kg	✧	03/18/16 15:00	03/19/16 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.29		0.200	0.200	SU			03/12/16 13:34	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016

Lab Sample ID: 500-108661-6

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 13:48	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:48	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		03/12/16 13:48	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:48	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 13:48	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 13:48	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:48	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:48	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/12/16 13:48	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 13:48	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:48	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:48	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:48	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/12/16 13:48	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:48	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/12/16 13:48	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 13:48	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 13:48	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 13:48	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:48	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/12/16 13:48	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/12/16 13:48	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 13:48	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:48	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:48	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:48	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/12/16 13:48	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:48	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 13:48	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:48	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 13:48	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:48	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 13:48	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 13:48	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:48	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/12/16 13:48	1
Dibromofluoromethane	111		75 - 120		03/12/16 13:48	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134		03/12/16 13:48	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 13:48	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	39	ug/Kg	☼	03/13/16 17:36	03/23/16 19:38	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/23/16 19:38	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/23/16 19:38	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/23/16 19:38	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/23/16 19:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016
Date Collected: 03/10/16 13:45
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-6
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2-Chloronaphthalene	<180		180	40	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2-Chlorophenol	<180		180	62	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2-Methylphenol	<180		180	58	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2-Nitroaniline	<180		180	49	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
2-Nitrophenol	<360		360	85	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
3-Nitroaniline	<360		360	110	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4-Chloroaniline	<730		730	170	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4-Nitroaniline	<360		360	150	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
4-Nitrophenol	<730		730	340	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Acenaphthene	<36		36	6.5	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Acenaphthylene	24 J		36	4.8	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Anthracene	19 J		36	6.0	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Benzo[a]anthracene	110 *		36	4.9	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Benzo[a]pyrene	140 *		36	7.0	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Benzo[b]fluoranthene	250 *		36	7.8	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Benzo[g,h,i]perylene	64 *		36	12	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Benzo[k]fluoranthene	74 *		36	11	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Bis(2-ethylhexyl) phthalate	110 J *		180	66	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Carbazole	<180		180	90	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Chrysene	130 *		36	9.9	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Dibenzofuran	<180		180	42	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Diethyl phthalate	<180		180	61	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Dimethyl phthalate	<180		180	47	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Fluoranthene	200		36	6.7	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Fluorene	5.3 J		36	5.1	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Hexachlorobutadiene	<180		180	57	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Hexachlorocyclopentadiene	<730 *		730	210	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1
Hexachloroethane	<180		180	55	ug/Kg	✖	03/13/16 17:36	03/23/16 19:38	1

TestAmerica Chicago



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016

Lab Sample ID: 500-108661-6

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.4

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	69	*	36	9.4	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Isophorone	<180		180	41	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Naphthalene	<36		36	5.6	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Nitrobenzene	<36		36	9.0	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Pentachlorophenol	<730		730	580	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Phenanthrene	82		36	5.0	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Phenol	<180		180	80	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Pyrene	340	*	36	7.2	ug/Kg	*	03/13/16 17:36	03/23/16 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		35 - 137				03/13/16 17:36	03/23/16 19:38	1
2-Fluorobiphenyl	90		25 - 119				03/13/16 17:36	03/23/16 19:38	1
2-Fluorophenol	94		25 - 110				03/13/16 17:36	03/23/16 19:38	1
Nitrobenzene-d5	79		25 - 115				03/13/16 17:36	03/23/16 19:38	1
Phenol-d5	98		31 - 110				03/13/16 17:36	03/23/16 19:38	1
Terphenyl-d14	206	X *	36 - 134				03/13/16 17:36	03/23/16 19:38	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		03/19/16 12:32	03/21/16 23:37	1
Barium	0.27	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:37	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:37	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:37	1
Manganese	1.0		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:37	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:37	1
Zinc	1.4	B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:37	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		03/19/16 12:34	03/21/16 13:46	1
Barium	0.099	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:46	1
Chromium	0.019	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:46	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:46	1
Copper	0.018	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:46	1
Iron	14		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:46	1
Lead	0.089		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:46	1
Manganese	0.26		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:46	1
Nickel	0.011	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 06:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016

Lab Sample ID: 500-108661-6

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 87.4

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		03/19/16 12:34	03/21/16 13:46	1
Zinc	0.12	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Arsenic	1.6		0.53	0.24	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Barium	24		0.53	0.097	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Beryllium	0.26		0.21	0.046	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Cadmium	0.23		0.11	0.031	mg/Kg	☼	03/16/16 11:30	03/19/16 19:42	1
Calcium	150000	B	110	34	mg/Kg	☼	03/16/16 11:30	03/20/16 02:44	10
Chromium	7.5		0.53	0.091	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Cobalt	2.5		0.26	0.060	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Copper	7.3		0.53	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Iron	6100	B	11	4.1	mg/Kg	☼	03/16/16 11:30	03/19/16 19:42	1
Lead	54		0.26	0.13	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Magnesium	93000	B	53	21	mg/Kg	☼	03/16/16 11:30	03/20/16 02:44	10
Manganese	310	B	0.53	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Nickel	5.5		0.53	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Potassium	590		26	4.3	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Sodium	1100		53	7.0	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Vanadium	6.9	^	0.26	0.077	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	1
Zinc	46	B	1.1	0.33	mg/Kg	☼	03/16/16 11:30	03/19/16 06:44	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		03/19/16 18:45	03/21/16 12:03	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		03/19/16 18:45	03/21/16 11:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	9.0	ug/Kg	☼	03/18/16 15:00	03/19/16 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.87		0.200	0.200	SU			03/12/16 13:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016D

Lab Sample ID: 500-108661-7

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/12/16 14:15	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 14:15	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/12/16 14:15	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 14:15	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 14:15	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 14:15	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 14:15	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/12/16 14:15	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 14:15	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 14:15	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/12/16 14:15	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 14:15	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/12/16 14:15	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 14:15	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 14:15	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 14:15	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 14:15	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/12/16 14:15	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/12/16 14:15	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 14:15	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 14:15	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.88	ug/Kg	☼		03/12/16 14:15	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 14:15	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/12/16 14:15	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 14:15	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 14:15	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 14:15	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 14:15	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 14:15	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/12/16 14:15	1
Dibromofluoromethane	107		75 - 120		03/12/16 14:15	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/12/16 14:15	1
Toluene-d8 (Surr)	104		75 - 122		03/12/16 14:15	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	☼	03/13/16 17:36	03/23/16 19:10	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016D

Lab Sample ID: 500-108661-7

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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	80	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Acenaphthylene	25	J	35	4.6	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Anthracene	15	J	35	5.9	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Benzo[a]anthracene	78		35	4.7	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Benzo[a]pyrene	110	*	35	6.8	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Benzo[b]fluoranthene	200	*	35	7.6	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Benzo[g,h,i]perylene	58	*	35	11	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Benzo[k]fluoranthene	77	*	35	10	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Butyl benzyl phthalate	80	J	180	67	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Carbazole	<180		180	88	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Chrysene	92		35	9.6	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Fluoranthene	150		35	6.5	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Fluorene	<35		35	4.9	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Hexachlorocyclopentadiene	<710	*	710	200	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016D

Lab Sample ID: 500-108661-7

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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	64	*	35	9.1	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Isophorone	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Phenanthrene	61		35	4.9	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Phenol	<180		180	78	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Pyrene	200		35	7.0	ug/Kg	☼	03/13/16 17:36	03/23/16 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		35 - 137				03/13/16 17:36	03/23/16 19:10	1
2-Fluorobiphenyl	86		25 - 119				03/13/16 17:36	03/23/16 19:10	1
2-Fluorophenol	91		25 - 110				03/13/16 17:36	03/23/16 19:10	1
Nitrobenzene-d5	75		25 - 115				03/13/16 17:36	03/23/16 19:10	1
Phenol-d5	93		31 - 110				03/13/16 17:36	03/23/16 19:10	1
Terphenyl-d14	160	X	36 - 134				03/13/16 17:36	03/23/16 19:10	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		03/19/16 12:32	03/21/16 23:43	1
Barium	0.27	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:43	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:43	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:43	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:43	1
Manganese	0.42		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:43	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:43	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:43	1
Zinc	0.25	J B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:43	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		03/19/16 12:34	03/21/16 14:48	1
Barium	0.12	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:48	1
Chromium	0.024	J	0.025	0.010	mg/L		03/19/16 12:34	03/22/16 06:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:48	1
Copper	0.025		0.025	0.010	mg/L		03/19/16 12:34	03/22/16 06:15	1
Iron	17		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:48	1
Lead	0.12		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:48	1
Manganese	0.28		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:48	1
Nickel	0.015	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/21/16 14:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-48(0-1)-031016D

Lab Sample ID: 500-108661-7

Date Collected: 03/10/16 13:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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		03/19/16 12:34	03/21/16 14:48	1
Zinc	0.14	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.1	0.23	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Arsenic	1.7		0.55	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Barium	34		0.55	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Beryllium	0.27		0.22	0.048	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Cadmium	0.26		0.11	0.032	mg/Kg	☼	03/16/16 11:30	03/19/16 19:48	1
Calcium	150000	B	110	35	mg/Kg	☼	03/16/16 11:30	03/20/16 02:48	10
Chromium	5.3		0.55	0.095	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Cobalt	2.9		0.28	0.062	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Copper	7.1		0.55	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Iron	6500	B	11	4.2	mg/Kg	☼	03/16/16 11:30	03/19/16 19:48	1
Lead	72		0.28	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Magnesium	92000	B	55	22	mg/Kg	☼	03/16/16 11:30	03/20/16 02:48	10
Manganese	340	B	0.55	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Nickel	6.0		0.55	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Potassium	660		28	4.5	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Selenium	0.31	J	0.55	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Sodium	660		55	7.3	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Vanadium	7.6	^	0.28	0.080	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	1
Zinc	42	B	1.1	0.35	mg/Kg	☼	03/16/16 11:30	03/19/16 06:49	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		03/19/16 18:45	03/21/16 12:05	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		03/19/16 18:45	03/21/16 11:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	16	8.5	ug/Kg	☼	03/18/16 15:00	03/19/16 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.07		0.200	0.200	SU			03/12/16 13:44	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-49(0-1)-031016
Date Collected: 03/10/16 13:57
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-8
Matrix: Solid
Percent Solids: 84.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/12/16 14:40	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/12/16 14:40	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		03/12/16 14:40	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/12/16 14:40	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		03/12/16 14:40	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/12/16 14:40	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/12/16 14:40	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/12/16 14:40	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/12/16 14:40	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		03/12/16 14:40	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/12/16 14:40	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/12/16 14:40	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/12/16 14:40	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/12/16 14:40	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/12/16 14:40	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		03/12/16 14:40	1
1,1-Dichloroethene	<5.9		5.9	2.2	ug/Kg	☼		03/12/16 14:40	1
1,2-Dichloropropane	<5.9		5.9	1.6	ug/Kg	☼		03/12/16 14:40	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/12/16 14:40	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/12/16 14:40	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/12/16 14:40	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		03/12/16 14:40	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/12/16 14:40	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/12/16 14:40	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/12/16 14:40	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/12/16 14:40	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		03/12/16 14:40	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/12/16 14:40	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		03/12/16 14:40	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/12/16 14:40	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/12/16 14:40	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/12/16 14:40	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/12/16 14:40	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/12/16 14:40	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/12/16 14:40	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/12/16 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/12/16 14:40	1
Dibromofluoromethane	106		75 - 120		03/12/16 14:40	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/12/16 14:40	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 14:40	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	☼	03/13/16 17:36	03/21/16 18:02	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-49(0-1)-031016

Lab Sample ID: 500-108661-8

Date Collected: 03/10/16 13:57

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 84.5

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	☼	03/13/16 17:36	03/21/16 18:02	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Anthracene	<38		38	6.4	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Benzo[a]anthracene	38		38	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Benzo[a]pyrene	53 *		38	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Benzo[b]fluoranthene	110 *		38	8.2	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Benzo[g,h,i]perylene	24 J *		38	12	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Benzo[k]fluoranthene	33 J *		38	11	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Carbazole	<190		190	95	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Chrysene	53		38	10	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Fluoranthene	97		38	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Hexachlorocyclopentadiene	<770 *		770	220	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-49(0-1)-031016
Date Collected: 03/10/16 13:57
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-8
Matrix: Solid
Percent Solids: 84.5

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	32	J *	38	9.9	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Isophorone	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Phenanthrene	39		38	5.3	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Phenol	<190		190	85	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Pyrene	100		38	7.6	ug/Kg	☼	03/13/16 17:36	03/21/16 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137				03/13/16 17:36	03/21/16 18:02	1
2-Fluorobiphenyl	77		25 - 119				03/13/16 17:36	03/21/16 18:02	1
2-Fluorophenol	85		25 - 110				03/13/16 17:36	03/21/16 18:02	1
Nitrobenzene-d5	66		25 - 115				03/13/16 17:36	03/21/16 18:02	1
Phenol-d5	82		31 - 110				03/13/16 17:36	03/21/16 18:02	1
Terphenyl-d14	127		36 - 134				03/13/16 17:36	03/21/16 18:02	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		03/19/16 12:32	03/21/16 23:56	1
Barium	0.25	J	0.50	0.050	mg/L		03/19/16 12:32	03/21/16 23:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/21/16 23:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/21/16 23:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:56	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:56	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:56	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/21/16 23:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/21/16 23:56	1
Manganese	1.2		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:56	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/21/16 23:56	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/21/16 23:56	1
Zinc	0.73	B	0.50	0.020	mg/L		03/19/16 12:32	03/21/16 23:56	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		03/19/16 12:34	03/21/16 13:50	1
Barium	0.13	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:50	1
Chromium	0.029		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:50	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:50	1
Copper	0.022	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:50	1
Iron	25		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:50	1
Lead	0.050		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:50	1
Manganese	0.38		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:50	1
Nickel	0.019	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 06:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-49(0-1)-031016

Lab Sample ID: 500-108661-8

Date Collected: 03/10/16 13:57

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 84.5

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		03/19/16 12:34	03/21/16 13:50	1
Zinc	0.13	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Arsenic	2.3		0.56	0.26	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Barium	30		0.56	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Beryllium	0.24		0.22	0.049	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	03/16/16 11:30	03/19/16 19:53	1
Calcium	150000	B	110	36	mg/Kg	☼	03/16/16 11:30	03/20/16 02:52	10
Chromium	6.5		0.56	0.097	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Cobalt	3.3		0.28	0.064	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Copper	7.9		0.56	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Iron	6700	B	11	4.3	mg/Kg	☼	03/16/16 11:30	03/19/16 19:53	1
Lead	16		0.28	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Magnesium	89000	B	56	23	mg/Kg	☼	03/16/16 11:30	03/20/16 02:52	10
Manganese	380	B	0.56	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Nickel	6.4		0.56	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Potassium	690		28	4.6	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Selenium	0.55	J	0.56	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Sodium	980		56	7.4	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Vanadium	8.2	^	0.28	0.082	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1
Zinc	40	B	1.1	0.36	mg/Kg	☼	03/16/16 11:30	03/19/16 06:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/19/16 18:45	03/21/16 12:07	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		03/19/16 18:45	03/21/16 11:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	18	9.6	ug/Kg	☼	03/18/16 15:00	03/19/16 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.58		0.200	0.200	SU			03/12/16 13:49	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-50(0-1)-031016

Lab Sample ID: 500-108661-9

Date Collected: 03/10/16 14:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/12/16 15:06	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 15:06	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/12/16 15:06	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:06	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 15:06	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/12/16 15:06	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 15:06	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/12/16 15:06	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:06	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:06	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/12/16 15:06	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:06	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/12/16 15:06	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 15:06	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 15:06	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 15:06	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 15:06	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/12/16 15:06	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/12/16 15:06	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 15:06	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:06	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/12/16 15:06	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 15:06	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/12/16 15:06	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 15:06	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 15:06	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:06	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 15:06	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:06	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/12/16 15:06	1
Dibromofluoromethane	109		75 - 120		03/12/16 15:06	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/12/16 15:06	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-50(0-1)-031016

Lab Sample ID: 500-108661-9

Date Collected: 03/10/16 14:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Anthracene	9.5 J		36	6.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Benzo[a]anthracene	44		36	4.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Benzo[a]pyrene	55		36	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Benzo[b]fluoranthene	95		36	7.8	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Benzo[g,h,i]perylene	34 J		36	12	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Benzo[k]fluoranthene	34 J		36	11	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Carbazole	<180		180	91	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Chrysene	66		36	9.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Fluoranthene	120		36	6.7	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Hexachlorocyclopentadiene	<730 *		730	210	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-50(0-1)-031016

Lab Sample ID: 500-108661-9

Date Collected: 03/10/16 14:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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	29	J	36	9.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Isophorone	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Phenanthrene	60		36	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Phenol	<180		180	81	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1
Pyrene	100		36	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:14	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	79		35 - 137		03/13/16 17:36	03/21/16 14:14	1
<i>2-Fluorobiphenyl</i>	76		25 - 119		03/13/16 17:36	03/21/16 14:14	1
<i>2-Fluorophenol</i>	84		25 - 110		03/13/16 17:36	03/21/16 14:14	1
<i>Nitrobenzene-d5</i>	67		25 - 115		03/13/16 17:36	03/21/16 14:14	1
<i>Phenol-d5</i>	86		31 - 110		03/13/16 17:36	03/21/16 14:14	1
<i>Terphenyl-d14</i>	88		36 - 134		03/13/16 17:36	03/21/16 14:14	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		03/19/16 12:32	03/22/16 00:01	1
Barium	0.15	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:01	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:01	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:01	1
Manganese	0.86		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:01	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:01	1
Zinc	0.35	J B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:01	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		03/19/16 12:34	03/21/16 13:54	1
Barium	<0.50		0.50	0.050	mg/L		03/19/16 12:34	03/21/16 13:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 13:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 13:54	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:54	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:54	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:54	1
Iron	1.6		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 13:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 13:54	1
Manganese	0.041		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:54	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 13:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 06:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-50(0-1)-031016

Lab Sample ID: 500-108661-9

Date Collected: 03/10/16 14:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.7

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		03/19/16 12:34	03/21/16 13:54	1
Zinc	0.053	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.1	0.23	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Arsenic	0.64		0.55	0.25	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Barium	13		0.55	0.10	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Beryllium	0.13	J	0.22	0.048	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Cadmium	0.21		0.11	0.032	mg/Kg	⊛	03/16/16 11:30	03/19/16 19:58	1
Calcium	180000	B	110	35	mg/Kg	⊛	03/16/16 11:30	03/20/16 02:56	10
Chromium	6.5		0.55	0.094	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Cobalt	1.5		0.27	0.062	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Copper	4.1		0.55	0.12	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Iron	4200	B	11	4.2	mg/Kg	⊛	03/16/16 11:30	03/19/16 19:58	1
Lead	9.4		0.27	0.14	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Magnesium	120000	B	55	22	mg/Kg	⊛	03/16/16 11:30	03/20/16 02:56	10
Manganese	300	B	0.55	0.11	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Nickel	3.0		0.55	0.15	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Potassium	410		27	4.5	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Selenium	<0.55		0.55	0.27	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Silver	<0.27		0.27	0.064	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Sodium	1100		55	7.2	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Thallium	<0.55		0.55	0.27	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Vanadium	3.8	^	0.27	0.080	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	1
Zinc	30	B	1.1	0.35	mg/Kg	⊛	03/16/16 11:30	03/19/16 06:59	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		03/19/16 18:45	03/21/16 12:09	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		03/19/16 18:45	03/21/16 11:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.4	ug/Kg	⊛	03/18/16 15:00	03/19/16 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.81		0.200	0.200	SU			03/12/16 13:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-51(0-1)-031016

Lab Sample ID: 500-108661-10

Date Collected: 03/10/16 14:12

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/12/16 15:33	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 15:33	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/12/16 15:33	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 15:33	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 15:33	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 15:33	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 15:33	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/12/16 15:33	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 15:33	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 15:33	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 15:33	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/12/16 15:33	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 15:33	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/12/16 15:33	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 15:33	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 15:33	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 15:33	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/12/16 15:33	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/12/16 15:33	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 15:33	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 15:33	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		03/12/16 15:33	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 15:33	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/12/16 15:33	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 15:33	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 15:33	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 15:33	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 15:33	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 15:33	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/12/16 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/12/16 15:33	1
Dibromofluoromethane	108		75 - 120		03/12/16 15:33	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/12/16 15:33	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 15:33	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	☼	03/13/16 17:36	03/21/16 14:43	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-51(0-1)-031016

Lab Sample ID: 500-108661-10

Date Collected: 03/10/16 14:12

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.8

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	☼	03/13/16 17:36	03/21/16 14:43	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Acenaphthylene	7.0 J		38	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Anthracene	18 J		38	6.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Benzo[a]anthracene	100		38	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Benzo[a]pyrene	110		38	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Benzo[b]fluoranthene	190		38	8.2	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Benzo[g,h,i]perylene	48		38	12	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Benzo[k]fluoranthene	71		38	11	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Carbazole	<190		190	95	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Chrysene	120		38	10	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Fluoranthene	280		38	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Fluorene	6.9 J		38	5.4	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Hexachlorocyclopentadiene	<770 *		770	220	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 14:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-51(0-1)-031016

Lab Sample ID: 500-108661-10

Date Collected: 03/10/16 14:12

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.8

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	53		38	9.9	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Isophorone	<190		190	43	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Naphthalene	<38		38	5.9	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Nitrobenzene	<38		38	9.5	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Pentachlorophenol	<770		770	610	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Phenanthrene	130		38	5.3	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Phenol	<190		190	85	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Pyrene	230		38	7.6	ug/Kg	*	03/13/16 17:36	03/21/16 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		35 - 137				03/13/16 17:36	03/21/16 14:43	1
2-Fluorobiphenyl	81		25 - 119				03/13/16 17:36	03/21/16 14:43	1
2-Fluorophenol	84		25 - 110				03/13/16 17:36	03/21/16 14:43	1
Nitrobenzene-d5	69		25 - 115				03/13/16 17:36	03/21/16 14:43	1
Phenol-d5	84		31 - 110				03/13/16 17:36	03/21/16 14:43	1
Terphenyl-d14	102		36 - 134				03/13/16 17:36	03/21/16 14:43	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	-	03/19/16 12:32	03/22/16 00:07	1
Barium	0.28	J	0.50	0.050	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Chromium	<0.025		0.025	0.010	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Cobalt	<0.025		0.025	0.010	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Copper	<0.025		0.025	0.010	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Iron	<0.40		0.40	0.20	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Lead	<0.0075		0.0075	0.0075	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Manganese	0.91		0.025	0.010	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Nickel	<0.025		0.025	0.010	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Selenium	<0.050		0.050	0.020	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Silver	<0.025		0.025	0.010	mg/L	-	03/19/16 12:32	03/22/16 00:07	1
Zinc	0.53	B	0.50	0.020	mg/L	-	03/19/16 12:32	03/22/16 00:07	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	-	03/19/16 12:34	03/21/16 13:58	1
Barium	0.088	J	0.50	0.050	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Chromium	0.014	J	0.025	0.010	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Cobalt	<0.025		0.025	0.010	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Copper	0.013	J	0.025	0.010	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Iron	14		0.40	0.20	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Lead	0.031		0.0075	0.0075	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Manganese	0.20		0.025	0.010	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Nickel	<0.025		0.025	0.010	mg/L	-	03/19/16 12:34	03/21/16 13:58	1
Selenium	<0.050		0.050	0.020	mg/L	-	03/19/16 12:34	03/22/16 06:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-51(0-1)-031016

Lab Sample ID: 500-108661-10

Date Collected: 03/10/16 14:12

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.8

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		03/19/16 12:34	03/21/16 13:58	1
Zinc	0.075	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 13:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.24	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Arsenic	1.9		0.57	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Barium	35		0.57	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Beryllium	0.21	J	0.23	0.050	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Cadmium	0.22		0.11	0.033	mg/Kg	☼	03/16/16 11:30	03/19/16 20:03	1
Calcium	160000	B	110	37	mg/Kg	☼	03/16/16 11:30	03/20/16 03:02	10
Chromium	5.0		0.57	0.099	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Cobalt	3.0		0.29	0.065	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Copper	6.7		0.57	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Iron	6000	B	11	4.4	mg/Kg	☼	03/16/16 11:30	03/19/16 20:03	1
Lead	14		0.29	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Magnesium	100000	B	57	23	mg/Kg	☼	03/16/16 11:30	03/20/16 03:02	10
Manganese	350	B	0.57	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Nickel	5.3		0.57	0.16	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Potassium	650		29	4.7	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Selenium	0.29	J	0.57	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Sodium	1000		57	7.6	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Vanadium	6.9	^	0.29	0.084	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	1
Zinc	34	B	1.1	0.36	mg/Kg	☼	03/16/16 11:30	03/19/16 07:05	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		03/19/16 18:45	03/21/16 12:15	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		03/19/16 18:45	03/21/16 11:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		17	8.9	ug/Kg	☼	03/18/16 15:00	03/19/16 17:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.70		0.200	0.200	SU			03/12/16 13:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-52(0-1)-031016

Lab Sample ID: 500-108661-11

Date Collected: 03/10/16 14:20

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/12/16 15:59	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 15:59	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/12/16 15:59	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:59	1
Bromomethane	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 15:59	1
Carbon disulfide	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 15:59	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 15:59	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/12/16 15:59	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:59	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:59	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/12/16 15:59	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:59	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		03/12/16 15:59	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 15:59	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 15:59	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 15:59	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 15:59	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/12/16 15:59	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/12/16 15:59	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/12/16 15:59	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:59	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.88	ug/Kg	☼		03/12/16 15:59	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/12/16 15:59	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/12/16 15:59	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/12/16 15:59	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/12/16 15:59	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/12/16 15:59	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/12/16 15:59	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/12/16 15:59	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/12/16 15:59	1
Dibromofluoromethane	108		75 - 120		03/12/16 15:59	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134		03/12/16 15:59	1
Toluene-d8 (Surr)	106		75 - 122		03/12/16 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-52(0-1)-031016

Lab Sample ID: 500-108661-11

Date Collected: 03/10/16 14:20

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Anthracene	<36		36	6.1	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Benzo[a]anthracene	25	J	36	4.9	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Benzo[a]pyrene	34	J *	36	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Benzo[b]fluoranthene	65	*	36	7.9	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Benzo[g,h,i]perylene	21	J *	36	12	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Benzo[k]fluoranthene	20	J *	36	11	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Carbazole	<180		180	92	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Chrysene	38		36	10	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Dibenz(a,h)anthracene	<36	*	36	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Fluoranthene	69		36	6.8	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Fluorene	<36		36	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Hexachlorocyclopentadiene	<740	*	740	210	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1

TestAmerica Chicago



Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-52(0-1)-031016

Lab Sample ID: 500-108661-11

Date Collected: 03/10/16 14:20

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	20	J *	36	9.5	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Isophorone	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Phenanthrene	27	J	36	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Phenol	<180		180	81	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1
Pyrene	61		36	7.3	ug/Kg	☼	03/13/16 17:36	03/21/16 15:11	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/13/16 17:36	03/21/16 15:11	1
2-Fluorobiphenyl	70		25 - 119				03/13/16 17:36	03/21/16 15:11	1
2-Fluorophenol	75		25 - 110				03/13/16 17:36	03/21/16 15:11	1
Nitrobenzene-d5	60		25 - 115				03/13/16 17:36	03/21/16 15:11	1
Phenol-d5	72		31 - 110				03/13/16 17:36	03/21/16 15:11	1
Terphenyl-d14	92		36 - 134				03/13/16 17:36	03/21/16 15:11	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		03/19/16 12:32	03/22/16 00:12	1
Barium	0.15	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:12	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:12	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:12	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:12	1
Manganese	0.75		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:12	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:12	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:12	1
Zinc	0.14	J B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:12	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		03/19/16 12:34	03/21/16 14:02	1
Barium	<0.50		0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:02	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:02	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:02	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:02	1
Iron	1.2		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:02	1
Manganese	0.027		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:02	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:02	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 06:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-52(0-1)-031016
Date Collected: 03/10/16 14:20
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-11
Matrix: Solid
Percent Solids: 90.0

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		03/19/16 12:34	03/21/16 14:02	1
Zinc	0.13	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.0	0.21	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Arsenic	0.90		0.50	0.23	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Barium	9.7		0.50	0.091	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Beryllium	0.093	J	0.20	0.043	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Cadmium	0.18		0.10	0.029	mg/Kg	☼	03/16/16 11:30	03/19/16 20:08	1
Calcium	20000	B	100	32	mg/Kg	☼	03/16/16 11:30	03/20/16 03:06	10
Chromium	2.4		0.50	0.086	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Cobalt	1.2		0.25	0.056	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Copper	2.9		0.50	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Iron	3600	B	10	3.8	mg/Kg	☼	03/16/16 11:30	03/19/16 20:08	1
Lead	5.7		0.25	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Magnesium	130000	B	50	20	mg/Kg	☼	03/16/16 11:30	03/20/16 03:06	10
Manganese	260	B	0.50	0.099	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Nickel	2.5		0.50	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Potassium	320		25	4.1	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Sodium	1000		50	6.6	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Vanadium	2.5	^	0.25	0.073	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	1
Zinc	17	B	1.0	0.32	mg/Kg	☼	03/16/16 11:30	03/19/16 07:10	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		03/19/16 18:45	03/21/16 12:17	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		03/19/16 18:45	03/21/16 11:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	8.8	ug/Kg	☼	03/18/16 15:00	03/19/16 17:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92		0.200	0.200	SU			03/12/16 14:03	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-53(0-1)-031016

Lab Sample ID: 500-108661-12

Date Collected: 03/10/16 14:25

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/12/16 16:25	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 16:25	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		03/12/16 16:25	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 16:25	1
Bromomethane	<5.8		5.8	2.2	ug/Kg	☼		03/12/16 16:25	1
Carbon disulfide	<5.8		5.8	2.2	ug/Kg	☼		03/12/16 16:25	1
Carbon tetrachloride	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 16:25	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 16:25	1
Chloroethane	<5.8		5.8	2.5	ug/Kg	☼		03/12/16 16:25	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 16:25	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 16:25	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 16:25	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 16:25	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/12/16 16:25	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 16:25	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		03/12/16 16:25	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 16:25	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 16:25	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 16:25	1
Ethylbenzene	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 16:25	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/12/16 16:25	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/12/16 16:25	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 16:25	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 16:25	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 16:25	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 16:25	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		03/12/16 16:25	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 16:25	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/12/16 16:25	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 16:25	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 16:25	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 16:25	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 16:25	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 16:25	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 16:25	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/12/16 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/12/16 16:25	1
Dibromofluoromethane	110		75 - 120		03/12/16 16:25	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/12/16 16:25	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 16:25	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	☼	03/13/16 17:36	03/21/16 18:30	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-53(0-1)-031016
Date Collected: 03/10/16 14:25
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-12
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Acenaphthylene	7.0	J	37	4.9	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Anthracene	8.7	J	37	6.2	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Benzo[a]anthracene	42		37	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Benzo[a]pyrene	69	*	37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Benzo[b]fluoranthene	130	*	37	8.0	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Benzo[g,h,i]perylene	62	*	37	12	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Benzo[k]fluoranthene	33	J *	37	11	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Carbazole	<190		190	93	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Chrysene	65		37	10	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Dibenz(a,h)anthracene	<37 *		37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Fluoranthene	95		37	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Hexachlorocyclopentadiene	<750 *		750	210	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-53(0-1)-031016

Lab Sample ID: 500-108661-12

Date Collected: 03/10/16 14:25

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.5

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	39	*	37	9.6	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Isophorone	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Phenanthrene	38		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Phenol	<190		190	83	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1
Pyrene	140		37	7.4	ug/Kg	☼	03/13/16 17:36	03/21/16 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	78		35 - 137	03/13/16 17:36	03/21/16 18:30	1
<i>2-Fluorobiphenyl</i>	70		25 - 119	03/13/16 17:36	03/21/16 18:30	1
<i>2-Fluorophenol</i>	75		25 - 110	03/13/16 17:36	03/21/16 18:30	1
<i>Nitrobenzene-d5</i>	61		25 - 115	03/13/16 17:36	03/21/16 18:30	1
<i>Phenol-d5</i>	72		31 - 110	03/13/16 17:36	03/21/16 18:30	1
<i>Terphenyl-d14</i>	135	X	36 - 134	03/13/16 17:36	03/21/16 18:30	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		03/19/16 12:32	03/22/16 00:17	1
Barium	0.30	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:17	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:17	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:17	1
Manganese	1.2		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:17	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:17	1
Zinc	0.96	B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:17	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		03/19/16 12:34	03/21/16 14:07	1
Barium	0.14	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:07	1
Chromium	0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:07	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:07	1
Copper	0.019	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:07	1
Iron	22		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:07	1
Lead	0.065		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:07	1
Manganese	0.23		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:07	1
Nickel	0.017	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:07	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 06:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-53(0-1)-031016
Date Collected: 03/10/16 14:25
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-12
Matrix: Solid
Percent Solids: 85.5

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		03/19/16 12:34	03/21/16 14:07	1
Zinc	0.14	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Arsenic	0.67		0.57	0.26	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Barium	10		0.57	0.10	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Beryllium	0.13	J	0.23	0.050	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Cadmium	0.19		0.11	0.033	mg/Kg	⊛	03/16/16 11:30	03/19/16 20:13	1
Calcium	180000	B	110	37	mg/Kg	⊛	03/16/16 11:30	03/20/16 03:18	10
Chromium	5.1		0.57	0.098	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Cobalt	1.1		0.29	0.065	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Copper	4.7		0.57	0.12	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Iron	4100	B	11	4.4	mg/Kg	⊛	03/16/16 11:30	03/19/16 20:13	1
Lead	13		0.29	0.14	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Magnesium	120000	B	57	23	mg/Kg	⊛	03/16/16 11:30	03/20/16 03:18	10
Manganese	260	B	0.57	0.11	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Nickel	3.1		0.57	0.15	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Potassium	380		29	4.7	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Selenium	<0.57		0.57	0.28	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Silver	<0.29		0.29	0.067	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Sodium	1100		57	7.5	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Thallium	<0.57		0.57	0.28	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Vanadium	3.3	^	0.29	0.083	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	1
Zinc	23	B	1.1	0.36	mg/Kg	⊛	03/16/16 11:30	03/19/16 07:24	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		03/19/16 18:45	03/21/16 12:19	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		03/19/16 18:45	03/21/16 11:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<19		19	9.9	ug/Kg	⊛	03/18/16 15:00	03/19/16 17:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.68		0.200	0.200	SU			03/12/16 14:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-54(0-1)-031016

Lab Sample ID: 500-108661-13

Date Collected: 03/10/16 14:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 16:51	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/12/16 16:51	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 16:51	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 16:51	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 16:51	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 16:51	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/12/16 16:51	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 16:51	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 16:51	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 16:51	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/12/16 16:51	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 16:51	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/12/16 16:51	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 16:51	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 16:51	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 16:51	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 16:51	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/12/16 16:51	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/12/16 16:51	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 16:51	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 16:51	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/12/16 16:51	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 16:51	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 16:51	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 16:51	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 16:51	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 16:51	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 16:51	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 16:51	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/12/16 16:51	1
Dibromofluoromethane	109		75 - 120		03/12/16 16:51	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/12/16 16:51	1
Toluene-d8 (Surr)	108		75 - 122		03/12/16 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-54(0-1)-031016

Lab Sample ID: 500-108661-13

Date Collected: 03/10/16 14:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
2-Nitrophenol	<360		360	84	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Anthracene	<36		36	6.0	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Benzo[a]anthracene	21	J	36	4.8	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Benzo[a]pyrene	31	J*	36	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Benzo[b]fluoranthene	58	*	36	7.7	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Benzo[g,h,i]perylene	14	J*	36	12	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Benzo[k]fluoranthene	16	J*	36	11	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Carbazole	<180		180	89	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Chrysene	30	J	36	9.7	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Dibenz(a,h)anthracene	<36	*	36	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Fluoranthene	54		36	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Fluorene	<36		36	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Hexachlorocyclopentadiene	<720	*	720	210	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-54(0-1)-031016

Lab Sample ID: 500-108661-13

Date Collected: 03/10/16 14:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36	*	36	9.3	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Isophorone	<180		180	40	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Naphthalene	<36		36	5.5	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Phenanthrene	22	J	36	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Phenol	<180		180	79	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Pyrene	48		36	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		35 - 137				03/13/16 17:36	03/21/16 15:40	1
2-Fluorobiphenyl	73		25 - 119				03/13/16 17:36	03/21/16 15:40	1
2-Fluorophenol	79		25 - 110				03/13/16 17:36	03/21/16 15:40	1
Nitrobenzene-d5	67		25 - 115				03/13/16 17:36	03/21/16 15:40	1
Phenol-d5	67		31 - 110				03/13/16 17:36	03/21/16 15:40	1
Terphenyl-d14	91		36 - 134				03/13/16 17:36	03/21/16 15:40	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		03/19/16 12:32	03/22/16 00:22	1
Barium	0.15	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:22	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:22	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:22	1
Manganese	0.99		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:22	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:22	1
Zinc	0.16	J B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:22	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		03/19/16 12:34	03/21/16 14:11	1
Barium	<0.50		0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:11	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:11	1
Iron	1.1		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:11	1
Manganese	0.026		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 06:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-54(0-1)-031016
Date Collected: 03/10/16 14:40
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108661-13
Matrix: Solid
Percent Solids: 88.2

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		03/19/16 12:34	03/21/16 14:11	1
Zinc	0.046	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	1.1	0.23	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Arsenic	0.75		0.55	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Barium	8.7		0.55	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Beryllium	0.13	J	0.22	0.047	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Cadmium	0.16		0.11	0.032	mg/Kg	☼	03/16/16 11:30	03/19/16 20:19	1
Calcium	190000	B	110	35	mg/Kg	☼	03/16/16 11:30	03/20/16 03:22	10
Chromium	2.5		0.55	0.094	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Cobalt	1.1		0.27	0.062	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Copper	3.0		0.55	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Iron	3700	B	11	4.2	mg/Kg	☼	03/16/16 11:30	03/19/16 20:19	1
Lead	7.7		0.27	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Magnesium	120000	B	55	22	mg/Kg	☼	03/16/16 11:30	03/20/16 03:22	10
Manganese	250	B	0.55	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Nickel	2.8		0.55	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Potassium	380		27	4.5	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Sodium	740		55	7.2	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Vanadium	2.8	^	0.27	0.080	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	1
Zinc	24	B	1.1	0.35	mg/Kg	☼	03/16/16 11:30	03/19/16 07:29	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		03/19/16 18:45	03/21/16 12:21	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		03/19/16 18:45	03/21/16 11:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	9.1	ug/Kg	☼	03/18/16 15:00	03/19/16 17:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.80		0.200	0.200	SU			03/12/16 14:13	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-57(0-1)-031016

Lab Sample ID: 500-108661-16

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 82.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/12/16 18:09	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/12/16 18:09	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/12/16 18:09	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 18:09	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/12/16 18:09	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/12/16 18:09	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/12/16 18:09	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/12/16 18:09	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 18:09	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 18:09	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/12/16 18:09	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 18:09	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		03/12/16 18:09	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/12/16 18:09	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/12/16 18:09	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/12/16 18:09	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/12/16 18:09	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/12/16 18:09	1
Methylene Chloride	<6.0		6.0	4.6	ug/Kg	☼		03/12/16 18:09	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/12/16 18:09	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 18:09	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		03/12/16 18:09	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		03/12/16 18:09	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/12/16 18:09	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/12/16 18:09	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/12/16 18:09	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/12/16 18:09	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/12/16 18:09	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/12/16 18:09	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/12/16 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/12/16 18:09	1
Dibromofluoromethane	110		75 - 120		03/12/16 18:09	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/12/16 18:09	1
Toluene-d8 (Surr)	105		75 - 122		03/12/16 18:09	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	42	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-57(0-1)-031016

Lab Sample ID: 500-108661-16

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2-Methylphenol	<200		200	63	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Acenaphthene	7.8	J	39	7.0	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Acenaphthylene	21	J	39	5.1	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Anthracene	32	J	39	6.5	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Benzo[a]anthracene	90		39	5.3	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Benzo[a]pyrene	110	*	39	7.6	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Benzo[b]fluoranthene	200	*	39	8.4	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Benzo[g,h,i]perylene	45	*	39	13	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Benzo[k]fluoranthene	67	*	39	12	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Carbazole	<200		200	98	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Chrysene	110		39	11	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Dibenz(a,h)anthracene	<39	*	39	7.5	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Fluoranthene	230		39	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Fluorene	15	J	39	5.5	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Hexachlorocyclopentadiene	<790	*	790	220	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Hexachloroethane	<200		200	59	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-57(0-1)-031016

Lab Sample ID: 500-108661-16

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 82.8

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	49	*	39	10	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Isophorone	<200		200	44	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Naphthalene	<39		39	6.0	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Phenanthrene	140		39	5.4	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Phenol	<200		200	87	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Pyrene	210		39	7.8	ug/Kg	☼	03/13/16 17:36	03/21/16 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		35 - 137				03/13/16 17:36	03/21/16 16:08	1
2-Fluorobiphenyl	96		25 - 119				03/13/16 17:36	03/21/16 16:08	1
2-Fluorophenol	103		25 - 110				03/13/16 17:36	03/21/16 16:08	1
Nitrobenzene-d5	90		25 - 115				03/13/16 17:36	03/21/16 16:08	1
Phenol-d5	103		31 - 110				03/13/16 17:36	03/21/16 16:08	1
Terphenyl-d14	132		36 - 134				03/13/16 17:36	03/21/16 16:08	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		03/19/16 12:32	03/22/16 00:38	1
Barium	0.43	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:38	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:38	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:38	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:38	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:38	1
Manganese	0.46		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:38	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:38	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:38	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:38	1
Zinc	0.80	B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:38	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		03/19/16 12:34	03/21/16 14:23	1
Barium	0.18	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:23	1
Chromium	0.028		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:23	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:23	1
Copper	0.020	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:23	1
Iron	25		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:23	1
Lead	0.078		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:23	1
Manganese	0.40		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:23	1
Nickel	0.017	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/22/16 07:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-57(0-1)-031016

Lab Sample ID: 500-108661-16

Date Collected: 03/10/16 15:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 82.8

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		03/19/16 12:34	03/21/16 14:23	1
Zinc	0.13	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Arsenic	3.3		0.60	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Barium	69		0.60	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Beryllium	0.37		0.24	0.052	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Cadmium	0.23		0.12	0.034	mg/Kg	☼	03/16/16 11:30	03/19/16 20:42	1
Calcium	96000	B	120	38	mg/Kg	☼	03/16/16 11:30	03/20/16 03:37	10
Chromium	8.1		0.60	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Cobalt	5.1		0.30	0.067	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Copper	9.4		0.60	0.13	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Iron	9200	B	12	4.6	mg/Kg	☼	03/16/16 11:30	03/19/16 20:42	1
Lead	54		0.30	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Magnesium	45000	B	6.0	2.4	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Manganese	490	B	0.60	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Nickel	8.8		0.60	0.16	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Potassium	910		30	4.9	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Selenium	0.82		0.60	0.29	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Sodium	1100		60	7.9	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Vanadium	13	^	0.30	0.087	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	1
Zinc	52	B	1.2	0.38	mg/Kg	☼	03/16/16 11:30	03/19/16 07:45	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		03/19/16 18:45	03/21/16 12:27	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/19/16 18:45	03/21/16 11:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		20	10	ug/Kg	☼	03/18/16 15:00	03/19/16 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.66		0.200	0.200	SU			03/12/16 14:28	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-58(0-1)-031016

Lab Sample ID: 500-108661-17

Date Collected: 03/10/16 15:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 18:35	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 18:35	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/12/16 18:35	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 18:35	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 18:35	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 18:35	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 18:35	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 18:35	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/12/16 18:35	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 18:35	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 18:35	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 18:35	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 18:35	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/12/16 18:35	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 18:35	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/12/16 18:35	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 18:35	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 18:35	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 18:35	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 18:35	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/12/16 18:35	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/12/16 18:35	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 18:35	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 18:35	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 18:35	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 18:35	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/12/16 18:35	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 18:35	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 18:35	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 18:35	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 18:35	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 18:35	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 18:35	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 18:35	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 18:35	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/12/16 18:35	1
Dibromofluoromethane	110		75 - 120		03/12/16 18:35	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		03/12/16 18:35	1
Toluene-d8 (Surr)	107		75 - 122		03/12/16 18:35	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	☼	03/13/16 17:36	03/21/16 16:36	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-58(0-1)-031016

Lab Sample ID: 500-108661-17

Date Collected: 03/10/16 15:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Anthracene	6.4	J	37	6.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Benzo[a]anthracene	28	J	37	5.0	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Benzo[a]pyrene	36	J *	37	7.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Benzo[b]fluoranthene	71	*	37	8.0	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Benzo[g,h,i]perylene	<37	*	37	12	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Benzo[k]fluoranthene	23	J *	37	11	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Carbazole	<190		190	92	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Chrysene	39		37	10	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Dibenz(a,h)anthracene	<37	*	37	7.1	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Fluoranthene	77		37	6.9	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Hexachlorocyclopentadiene	<750	*	750	210	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-58(0-1)-031016

Lab Sample ID: 500-108661-17

Date Collected: 03/10/16 15:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37	*	37	9.6	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Isophorone	<190		190	42	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Phenanthrene	33	J	37	5.2	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Phenol	<190		190	82	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Pyrene	79		37	7.3	ug/Kg	☼	03/13/16 17:36	03/21/16 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		35 - 137				03/13/16 17:36	03/21/16 16:36	1
2-Fluorobiphenyl	79		25 - 119				03/13/16 17:36	03/21/16 16:36	1
2-Fluorophenol	84		25 - 110				03/13/16 17:36	03/21/16 16:36	1
Nitrobenzene-d5	71		25 - 115				03/13/16 17:36	03/21/16 16:36	1
Phenol-d5	82		31 - 110				03/13/16 17:36	03/21/16 16:36	1
Terphenyl-d14	123		36 - 134				03/13/16 17:36	03/21/16 16:36	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		03/19/16 12:32	03/22/16 00:43	1
Barium	0.29	J	0.50	0.050	mg/L		03/19/16 12:32	03/22/16 00:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:32	03/22/16 00:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/19/16 12:32	03/22/16 00:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:43	1
Cobalt	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:43	1
Copper	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:43	1
Iron	<0.40		0.40	0.20	mg/L		03/19/16 12:32	03/22/16 00:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/19/16 12:32	03/22/16 00:43	1
Manganese	0.11		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:43	1
Nickel	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:32	03/22/16 00:43	1
Silver	<0.025		0.025	0.010	mg/L		03/19/16 12:32	03/22/16 00:43	1
Zinc	0.40	J B	0.50	0.020	mg/L		03/19/16 12:32	03/22/16 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/19/16 12:34	03/21/16 14:34	1
Barium	0.35	J	0.50	0.050	mg/L		03/19/16 12:34	03/21/16 14:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/19/16 12:34	03/21/16 14:34	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/19/16 12:34	03/21/16 14:34	1
Chromium	0.073		0.025	0.010	mg/L		03/19/16 12:34	03/22/16 07:05	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:34	1
Copper	0.058		0.025	0.010	mg/L		03/19/16 12:34	03/22/16 07:05	1
Iron	66		0.40	0.20	mg/L		03/19/16 12:34	03/21/16 14:34	1
Lead	0.13		0.0075	0.0075	mg/L		03/19/16 12:34	03/21/16 14:34	1
Manganese	1.1		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:34	1
Nickel	0.050		0.025	0.010	mg/L		03/19/16 12:34	03/21/16 14:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/19/16 12:34	03/21/16 14:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

Client Sample ID: KR-58(0-1)-031016

Lab Sample ID: 500-108661-17

Date Collected: 03/10/16 15:18

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.1

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		03/19/16 12:34	03/21/16 14:34	1
Zinc	0.40	J	0.50	0.020	mg/L		03/19/16 12:34	03/21/16 14:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Arsenic	2.2		0.55	0.25	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Barium	34		0.55	0.10	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Beryllium	0.25		0.22	0.047	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Cadmium	0.48		0.11	0.032	mg/Kg	☼	03/16/16 11:30	03/19/16 20:47	1
Calcium	150000	B	110	35	mg/Kg	☼	03/16/16 11:30	03/20/16 03:41	10
Chromium	5.4		0.55	0.094	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Cobalt	3.1		0.27	0.062	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Copper	6.4		0.55	0.12	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Iron	6300	B	11	4.2	mg/Kg	☼	03/16/16 11:30	03/19/16 20:47	1
Lead	23		0.27	0.14	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Magnesium	96000	B	55	22	mg/Kg	☼	03/16/16 11:30	03/20/16 03:41	10
Manganese	370	B	0.55	0.11	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Nickel	6.0		0.55	0.15	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Potassium	600		27	4.5	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Selenium	0.49	J	0.55	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Sodium	1000		55	7.2	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Vanadium	8.3	^	0.27	0.080	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	1
Zinc	34	B	1.1	0.35	mg/Kg	☼	03/16/16 11:30	03/19/16 07:50	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		03/19/16 18:45	03/21/16 12:29	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		03/19/16 18:45	03/21/16 11:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	41		16	8.5	ug/Kg	☼	03/18/16 15:00	03/19/16 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.85		0.200	0.200	SU			03/12/16 14:33	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

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 is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108661-1

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	04-30-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
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

Report To Contact: <u>S. Babuscumar</u> Company: <u>Weston Solutions</u> Address: <u>300 plaza Cir, Ste 202</u> Address: <u>Mundelein, IL 60060</u> Phone: <u>224-864-7250</u> Fax: E-Mail:	(optional)	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Reference#	(optional)
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Chain of Custody Record

Lab Job #: 500-108661
 Chain of Custody Number: _____
 Page 3 of 4
 Temperature °C of Cooler: 5.6

Client		Client Project #		Preservative		Parameter													
Weston																			
Project Name		Lab Project #																	
IDOT 039																			
Project Location/State		Lab PM																	
Wilmington, IL		Dick Wright																	
Sampler																			
A. Turkasz																			
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total metals	TCUP/ SPLP Metals	pH	Preservative Key		500-108661 COC	Comments				
			Date	Time								1. HCL, Cool to 4°	2. H2SO4, Cool to 4°						
1		KR-43(0-1)-031016	3/10/16	1250	2	S	X	X	X	X	X								
2		KR-44(0-1)-031016	3/10/16	1256	2	S	X	X	X	X	X								
3		KR-45(0-1)-031016	3/10/16	1310	2	S	X	X	X	X	X								
4		KR-46(0-1)-031016	3/10/16	1318	2	S	X	X	X	X	X								
5		KR-47(0-1)-031016	3/10/16	1330	2	S	X	X	X	X	X								
6		KR-48(0-1)-031016	3/10/16	1345	2	S	X	X	X	X	X								
7		KR-48(0-1)-031016D	3/10/16	1345	2	S	X	X	X	X	X								
8		KR-49(0-1)-031016	3/10/16	1357	2	S	X	X	X	X	X								
9		KR-50(0-1)-031016	3/10/16	1405	2	S	X	X	X	X	X								
10		KR-51(0-1)-031016	3/10/16	1412	2	S	X	X	X	X	X								

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Adam [Signature]</u> Company: <u>Weston</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Received By <u>TA</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Lab Courier: <u>TA</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1655</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>03/10/16</u> Time: <u>1655</u>	Shipped: _____
Relinquished By Company: _____ Date: _____ Time: _____	Received By Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To Contact: <u>S. Babusukumar</u> Company: <u>Weston Solutions</u> Address: <u>300 plaza Cir, Ste 202</u> Address: <u>Mundelein, IL 60060</u> Phone: <u>224-864-7250</u> Fax: E-Mail:	(optional)	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Reference#	(optional)
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Chain of Custody Record

Lab Job #: 500-1081661
Chain of Custody Number:
Page 4 of 4
Temperature °C of Cooler: 5.6

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>											
Project Name		Lab Project #		VOC		SVOC		Total metals			
<u>IDOT 039</u>											
Project Location/State		Lab PM									
<u>Wilmington, IL</u>		<u>Dick Weight</u>									
Sampler		Matrix									
<u>A. Turkast</u>		<u>AL3-6(0-1)-031016</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
11		KR-52(0-1)-031016	3/10/16	1420	2	S	X	X	X	X	X
12		KR-53(0-1)-031016	3/10/16	1425	2	S	X	X	X	X	X
13		KR-54(0-1)-031016	3/10/16	1440	2	S	X	X	X	X	X
14		KR-55(0-1)-031016	3/10/16	1450	2	S	X	X	X	X	X
15		KR-56(0-1)-031016	3/10/16	1459	2	S	X	X	X	X	X
16		KR-57(0-1)-031016	3/10/16	1510	2	S	X	X	X	X	X
17		KR-58(0-1)-031016	3/10/16	1518	2	S	X	X	X	X	X
18		AL3-6(0-1)-031016	3/10/16	1533	2	S	X	X	X	X	X
19		AL3-7(0-1)-031016	3/10/16	1540	2	S	X	X	X	X	X
		AL3-5(0-1)-031016	3/10/16				X	X	X	X	X

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

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

Relinquished By <u>Alan Turkast</u> Company <u>Weston</u> Date <u>3/10/16</u> Time <u>1600</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/10/16</u> Time <u>1600</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>3/10/16</u> Time <u>1655</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>03/10/16</u> Time <u>16:55</u>	Shipped
Relinquished By Company Date Time	Received By Company Date Time	Hand Delivered

Matrix Key WW - Wastewater W - Water S - Soil SL - Sludge MS - Miscellaneous OL - Oil A - Air	SE - Sediment SO - Soil L - Leachate WI - Wipe DW - Drinking Water O - Other	Client Comments	Lab Comments: <u>[Signature]</u>
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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: 500-108664-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/23/2016 4:55:19 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-26(0-1)-031016

Lab Sample ID: 500-108664-1

Date Collected: 03/10/16 08:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/14/16 21:38	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/14/16 21:38	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/14/16 21:38	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/14/16 21:38	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/14/16 21:38	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/14/16 21:38	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/14/16 21:38	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/14/16 21:38	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/14/16 21:38	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/14/16 21:38	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/14/16 21:38	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/14/16 21:38	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/14/16 21:38	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/14/16 21:38	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/14/16 21:38	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/14/16 21:38	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/14/16 21:38	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/14/16 21:38	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/14/16 21:38	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/14/16 21:38	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/14/16 21:38	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/14/16 21:38	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/14/16 21:38	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/14/16 21:38	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/14/16 21:38	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/14/16 21:38	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/14/16 21:38	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/14/16 21:38	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/14/16 21:38	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/14/16 21:38	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/14/16 21:38	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/14/16 21:38	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/14/16 21:38	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/14/16 21:38	1
Vinyl chloride	<5.8 *		5.8	1.4	ug/Kg	☼		03/14/16 21:38	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/14/16 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/14/16 21:38	1
Dibromofluoromethane	100		75 - 120		03/14/16 21:38	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/14/16 21:38	1
Toluene-d8 (Surr)	111		75 - 122		03/14/16 21:38	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	☼	03/14/16 07:11	03/18/16 20:45	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
1,3-Dichlorobenzene	<190	F2	190	42	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
1,4-Dichlorobenzene	<190	F1 F2	190	48	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-26(0-1)-031016

Lab Sample ID: 500-108664-1

Date Collected: 03/10/16 08:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 86.1

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	☼	03/14/16 07:11	03/18/16 20:45	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2,4-Dinitrophenol	<760	F1	760	660	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
2-Nitrophenol	<370	F2	370	89	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
3 & 4 Methylphenol	<190	F2	190	63	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4,6-Dinitro-2-methylphenol	<760	F1	760	300	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Anthracene	<37		37	6.3	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Benzo[a]anthracene	27	J	37	5.1	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Benzo[a]pyrene	<37	*	37	7.3	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Benzo[b]fluoranthene	66	*	37	8.1	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Benzo[g,h,i]perylene	<37	*	37	12	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Benzo[k]fluoranthene	<37	*	37	11	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Bis(2-chloroethoxy)methane	<190	F2	190	38	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Bis(2-chloroethyl)ether	<190	F1 F2	190	56	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Bis(2-ethylhexyl) phthalate	<190	F1	190	69	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Butyl benzyl phthalate	<190	F1	190	72	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Carbazole	<190		190	94	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Chrysene	43		37	10	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Dibenz(a,h)anthracene	<37	*	37	7.3	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Di-n-octyl phthalate	<190	F1	190	61	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Fluoranthene	58		37	7.0	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Hexachlorocyclopentadiene	<760	F1	760	220	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1
Hexachloroethane	<190	F1	190	57	ug/Kg	☼	03/14/16 07:11	03/18/16 20:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-26(0-1)-031016

Lab Sample ID: 500-108664-1

Date Collected: 03/10/16 08:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 86.1

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	22	J *	37	9.8	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Isophorone	<190		190	42	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Naphthalene	<37		37	5.8	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Nitrobenzene	<37		37	9.4	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Pentachlorophenol	<760	F1	760	600	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Phenanthrene	31	J	37	5.3	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Phenol	<190	F2	190	84	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1
Pyrene	81	F1	37	7.5	ug/Kg	⊛	03/14/16 07:11	03/18/16 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		35 - 137	03/14/16 07:11	03/18/16 20:45	1
2-Fluorobiphenyl	80		25 - 119	03/14/16 07:11	03/18/16 20:45	1
2-Fluorophenol	73		25 - 110	03/14/16 07:11	03/18/16 20:45	1
Nitrobenzene-d5	71		25 - 115	03/14/16 07:11	03/18/16 20:45	1
Phenol-d5	79		31 - 110	03/14/16 07:11	03/18/16 20:45	1
Terphenyl-d14	132		36 - 134	03/14/16 07:11	03/18/16 20:45	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	-	03/20/16 14:00	03/22/16 17:55	1
Barium	0.26	J	0.50	0.050	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Chromium	<0.025		0.025	0.010	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Cobalt	<0.025		0.025	0.010	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Copper	<0.025		0.025	0.010	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Iron	<0.40		0.40	0.20	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Lead	<0.0075		0.0075	0.0075	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Manganese	0.63		0.025	0.010	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Nickel	<0.025		0.025	0.010	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Selenium	<0.050		0.050	0.020	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Silver	<0.025		0.025	0.010	mg/L	-	03/20/16 14:00	03/22/16 17:55	1
Zinc	0.089	J	0.50	0.020	mg/L	-	03/20/16 14:00	03/22/16 17:55	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	-	03/21/16 09:00	03/22/16 22:07	1
Barium	0.22	J	0.50	0.050	mg/L	-	03/21/16 09:00	03/22/16 22:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L	-	03/21/16 09:00	03/23/16 13:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L	-	03/21/16 09:00	03/22/16 22:07	1
Chromium	0.051		0.025	0.010	mg/L	-	03/21/16 09:00	03/23/16 13:33	1
Cobalt	0.011	J	0.025	0.010	mg/L	-	03/21/16 09:00	03/23/16 13:33	1
Copper	0.043		0.025	0.010	mg/L	-	03/21/16 09:00	03/22/16 22:07	1
Iron	43		0.40	0.20	mg/L	-	03/21/16 09:00	03/23/16 13:33	1
Lead	0.19		0.0075	0.0075	mg/L	-	03/21/16 09:00	03/22/16 22:07	1
Manganese	0.63		0.025	0.010	mg/L	-	03/21/16 09:00	03/22/16 22:07	1
Nickel	0.034		0.025	0.010	mg/L	-	03/21/16 09:00	03/23/16 13:33	1
Selenium	<0.050		0.050	0.020	mg/L	-	03/21/16 09:00	03/22/16 22:07	1

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Lab Sample ID: 500-108664-1

Date Collected: 03/10/16 08:40

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 86.1

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		03/21/16 09:00	03/22/16 22:07	1
Zinc	0.38	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2	F1	1.2	0.24	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Arsenic	5.8	F1	0.58	0.27	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Barium	54		0.58	0.11	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Beryllium	0.41		0.23	0.050	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Cadmium	0.12		0.12	0.034	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Calcium	51000	B	120	37	mg/Kg	✳	03/17/16 08:13	03/23/16 14:48	10
Chromium	14	F1	0.58	0.10	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Cobalt	6.4		0.29	0.065	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Copper	18	F1	0.58	0.13	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Iron	39000	B F2	12	4.5	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Lead	56		0.29	0.14	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Magnesium	25000	B	5.8	2.4	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Manganese	530	B	0.58	0.11	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Nickel	16		0.58	0.16	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Potassium	680	F1	29	4.7	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Selenium	0.99	F1	0.58	0.29	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Silver	<0.29		0.29	0.068	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Sodium	1400	B	58	7.6	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Thallium	0.36	J	0.58	0.29	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Vanadium	14		0.29	0.085	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	1
Zinc	49	F1 F2	1.2	0.37	mg/Kg	✳	03/17/16 08:13	03/22/16 22:59	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		03/20/16 18:00	03/21/16 22:08	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		03/20/16 18:00	03/22/16 09:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		19	9.7	ug/Kg	✳	03/19/16 15:30	03/22/16 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.86		0.200	0.200	SU			03/14/16 16:28	1

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TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-27(0-1)-031016

Lab Sample ID: 500-108664-2

Date Collected: 03/10/16 09:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/14/16 22:04	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/14/16 22:04	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		03/14/16 22:04	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/14/16 22:04	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/14/16 22:04	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/14/16 22:04	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 22:04	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/14/16 22:04	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 22:04	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		03/14/16 22:04	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/14/16 22:04	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/14/16 22:04	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/14/16 22:04	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/14/16 22:04	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/14/16 22:04	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/14/16 22:04	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/14/16 22:04	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		03/14/16 22:04	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		03/14/16 22:04	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 22:04	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 22:04	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/14/16 22:04	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/14/16 22:04	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/14/16 22:04	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/14/16 22:04	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/14/16 22:04	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/14/16 22:04	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/14/16 22:04	1
Vinyl chloride	<5.5 *		5.5	1.3	ug/Kg	☼		03/14/16 22:04	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/14/16 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/14/16 22:04	1
Dibromofluoromethane	102		75 - 120		03/14/16 22:04	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134		03/14/16 22:04	1
Toluene-d8 (Surr)	111		75 - 122		03/14/16 22:04	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	☼	03/14/16 07:11	03/20/16 17:41	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1

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Date Collected: 03/10/16 09:05
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-2
Matrix: Solid
Percent Solids: 91.6

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	79	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2-Methylnaphthalene	<34		34	6.4	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2-Methylphenol	<170		170	56	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Acenaphthene	7.9	J	34	6.2	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Acenaphthylene	160		34	4.6	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Anthracene	52		34	5.8	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Benzo[a]anthracene	140		34	4.7	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Benzo[a]pyrene	240	*	34	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Benzo[b]fluoranthene	420	*	34	7.5	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Benzo[g,h,i]perylene	170	*	34	11	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Benzo[k]fluoranthene	160	*	34	10	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Carbazole	<170		170	86	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Chrysene	200		34	9.4	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Dibenz(a,h)anthracene	47	*	34	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Dibenzofuran	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Fluoranthene	260		34	6.4	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Fluorene	12	J	34	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Hexachloroethane	<170		170	53	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1

TestAmerica Chicago



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-27(0-1)-031016

Lab Sample ID: 500-108664-2

Date Collected: 03/10/16 09:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.6

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	160	*	34	9.0	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Isophorone	<170		170	39	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Naphthalene	7.0	J	34	5.3	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Phenanthrene	130		34	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Phenol	<170		170	77	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Pyrene	270		34	6.9	ug/Kg	☼	03/14/16 07:11	03/20/16 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/14/16 07:11	03/20/16 17:41	1
2-Fluorobiphenyl	79		25 - 119				03/14/16 07:11	03/20/16 17:41	1
2-Fluorophenol	85		25 - 110				03/14/16 07:11	03/20/16 17:41	1
Nitrobenzene-d5	72		25 - 115				03/14/16 07:11	03/20/16 17:41	1
Phenol-d5	83		31 - 110				03/14/16 07:11	03/20/16 17:41	1
Terphenyl-d14	108		36 - 134				03/14/16 07:11	03/20/16 17:41	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		03/20/16 14:00	03/22/16 18:00	1
Barium	0.15	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:00	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:00	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:00	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:00	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:00	1
Lead	0.020		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:00	1
Manganese	1.3		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:00	1
Nickel	0.012	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:00	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:00	1
Zinc	0.15	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:00	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		03/21/16 09:00	03/22/16 22:12	1
Barium	<0.50		0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 13:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:37	1
Copper	0.015	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:12	1
Iron	0.67		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 13:37	1
Lead	0.021		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:12	1
Manganese	0.015	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:12	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-27(0-1)-031016

Lab Sample ID: 500-108664-2

Date Collected: 03/10/16 09:05

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.6

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		03/21/16 09:00	03/22/16 22:12	1
Zinc	0.15	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Arsenic	0.90		0.53	0.25	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Barium	12		0.53	0.098	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Beryllium	0.17	J	0.21	0.046	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Cadmium	0.14		0.11	0.031	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Calcium	180000	B	110	34	mg/Kg	✱	03/17/16 08:13	03/23/16 15:17	10
Chromium	9.1		0.53	0.092	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Cobalt	1.5		0.27	0.060	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Copper	7.7		0.53	0.12	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Iron	5600	B	11	4.1	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Lead	60		0.27	0.13	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Magnesium	110000	B	53	22	mg/Kg	✱	03/17/16 08:13	03/23/16 15:17	10
Manganese	260	B	0.53	0.11	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Nickel	5.8		0.53	0.14	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Potassium	390		27	4.3	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Selenium	<0.53		0.53	0.26	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Silver	<0.27		0.27	0.062	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Sodium	780	B	53	7.0	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Thallium	<0.53		0.53	0.26	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Vanadium	4.7		0.27	0.078	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	1
Zinc	64		1.1	0.34	mg/Kg	✱	03/17/16 08:13	03/22/16 23:24	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		03/20/16 18:00	03/21/16 22:10	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		03/20/16 18:00	03/22/16 09:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	9.2	ug/Kg	✱	03/19/16 15:30	03/22/16 19:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.51		0.200	0.200	SU			03/14/16 16:37	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016

Lab Sample ID: 500-108664-3

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/15/16 11:57	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/15/16 11:57	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/15/16 11:57	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/15/16 11:57	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 11:57	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/15/16 11:57	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/15/16 11:57	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/15/16 11:57	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/15/16 11:57	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 11:57	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 11:57	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 11:57	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 11:57	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/15/16 11:57	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/15/16 11:57	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 11:57	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/15/16 11:57	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/15/16 11:57	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 11:57	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 11:57	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 11:57	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 11:57	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 11:57	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/15/16 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/15/16 11:57	1
Dibromofluoromethane	101		75 - 120		03/15/16 11:57	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/15/16 11:57	1
Toluene-d8 (Surr)	110		75 - 122		03/15/16 11:57	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	☼	03/14/16 07:11	03/20/16 18:09	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016

Lab Sample ID: 500-108664-3

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2-Methylnaphthalene	7.5	J	35	6.4	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Acenaphthylene	61		35	4.6	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Anthracene	18	J	35	5.8	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Benzo[a]anthracene	52		35	4.7	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Benzo[a]pyrene	77	*	35	6.8	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Benzo[b]fluoranthene	140	*	35	7.6	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Benzo[g,h,i]perylene	66	*	35	11	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Benzo[k]fluoranthene	48	*	35	10	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Butyl benzyl phthalate	110	J	180	67	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Carbazole	<180		180	87	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Chrysene	75		35	9.5	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Fluoranthene	94		35	6.5	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Fluorene	<35		35	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Hexachloroethane	<180		180	53	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016

Lab Sample ID: 500-108664-3

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	53	*	35	9.1	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Isophorone	<180		180	39	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Phenanthrene	67		35	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Phenol	<180		180	78	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Pyrene	140		35	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		35 - 137				03/14/16 07:11	03/20/16 18:09	1
2-Fluorobiphenyl	76		25 - 119				03/14/16 07:11	03/20/16 18:09	1
2-Fluorophenol	80		25 - 110				03/14/16 07:11	03/20/16 18:09	1
Nitrobenzene-d5	69		25 - 115				03/14/16 07:11	03/20/16 18:09	1
Phenol-d5	82		31 - 110				03/14/16 07:11	03/20/16 18:09	1
Terphenyl-d14	136	X	36 - 134				03/14/16 07:11	03/20/16 18:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Barium	0.15	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:05	1
Lead	0.0097		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:05	1
Manganese	1.1		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Nickel	0.010	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:05	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:05	1
Zinc	0.99		0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:05	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		03/21/16 09:00	03/22/16 22:16	1
Barium	<0.50		0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 13:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:42	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:42	1
Copper	0.016	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:16	1
Iron	0.85		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 13:42	1
Lead	0.026		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:16	1
Manganese	0.021	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016

Lab Sample ID: 500-108664-3

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.0

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		03/21/16 09:00	03/22/16 22:16	1
Zinc	0.070	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Arsenic	1.3		0.53	0.25	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Barium	61		0.53	0.098	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Beryllium	0.21		0.21	0.046	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Cadmium	0.22		0.11	0.031	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Calcium	160000	B	110	34	mg/Kg	✱	03/17/16 08:13	03/23/16 15:22	10
Chromium	5.4		0.53	0.092	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Cobalt	2.5		0.27	0.060	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Copper	6.3		0.53	0.12	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Iron	5600	B	11	4.1	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Lead	87		0.27	0.13	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Magnesium	97000	B	53	22	mg/Kg	✱	03/17/16 08:13	03/23/16 15:22	10
Manganese	310	B	0.53	0.11	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Nickel	5.3		0.53	0.14	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Potassium	530		27	4.4	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Selenium	<0.53		0.53	0.26	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Silver	<0.27		0.27	0.063	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Sodium	890	B	53	7.1	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Thallium	<0.53		0.53	0.26	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Vanadium	5.8		0.27	0.078	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	1
Zinc	34		1.1	0.34	mg/Kg	✱	03/17/16 08:13	03/22/16 23:30	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		03/20/16 18:00	03/21/16 22:19	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		03/20/16 18:00	03/22/16 09:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.6	J	16	8.4	ug/Kg	✱	03/19/16 15:30	03/22/16 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.04		0.200	0.200	SU			03/15/16 11:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016D

Lab Sample ID: 500-108664-4

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	*		03/15/16 12:22	1
Benzene	<5.5		5.5	1.2	ug/Kg	*		03/15/16 12:22	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	*		03/15/16 12:22	1
Bromoform	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	*		03/15/16 12:22	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	*		03/15/16 12:22	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	*		03/15/16 12:22	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	*		03/15/16 12:22	1
Chloroform	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	*		03/15/16 12:22	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	*		03/15/16 12:22	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	*		03/15/16 12:22	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	*		03/15/16 12:22	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	*		03/15/16 12:22	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	*		03/15/16 12:22	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	*		03/15/16 12:22	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	*		03/15/16 12:22	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		03/15/16 12:22	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
Styrene	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	*		03/15/16 12:22	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
Toluene	<5.5		5.5	1.9	ug/Kg	*		03/15/16 12:22	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	*		03/15/16 12:22	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	*		03/15/16 12:22	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	*		03/15/16 12:22	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	*		03/15/16 12:22	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	*		03/15/16 12:22	1
Xylenes, Total	<11		11	2.0	ug/Kg	*		03/15/16 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122		03/15/16 12:22	1
Dibromofluoromethane	102		75 - 120		03/15/16 12:22	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/15/16 12:22	1
Toluene-d8 (Surr)	113		75 - 122		03/15/16 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	03/14/16 07:11	03/20/16 18:38	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	*	03/14/16 07:11	03/20/16 18:38	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	03/14/16 07:11	03/20/16 18:38	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	03/14/16 07:11	03/20/16 18:38	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	03/14/16 07:11	03/20/16 18:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016D

Lab Sample ID: 500-108664-4

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Acenaphthylene	5.8	J	36	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Anthracene	9.0	J	36	6.1	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Benzo[a]anthracene	51		36	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Benzo[a]pyrene	67	*	36	7.1	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Benzo[b]fluoranthene	120	*	36	7.9	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Benzo[g,h,i]perylene	<36	*	36	12	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Benzo[k]fluoranthene	50	*	36	11	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Butyl benzyl phthalate	78	J	180	70	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Carbazole	<180		180	91	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Chrysene	64		36	10	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Dibenz(a,h)anthracene	<36	*	36	7.1	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Fluoranthene	120		36	6.8	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/14/16 07:11	03/20/16 18:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016D

Lab Sample ID: 500-108664-4

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

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	<36	*	36	9.5	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Isophorone	<180		180	41	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Naphthalene	<36		36	5.6	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Nitrobenzene	<36		36	9.1	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Pentachlorophenol	<740		740	590	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Phenanthrene	65		36	5.1	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Phenol	<180		180	81	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Pyrene	150		36	7.3	ug/Kg	✱	03/14/16 07:11	03/20/16 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				03/14/16 07:11	03/20/16 18:38	1
2-Fluorobiphenyl	78		25 - 119				03/14/16 07:11	03/20/16 18:38	1
2-Fluorophenol	86		25 - 110				03/14/16 07:11	03/20/16 18:38	1
Nitrobenzene-d5	73		25 - 115				03/14/16 07:11	03/20/16 18:38	1
Phenol-d5	56		31 - 110				03/14/16 07:11	03/20/16 18:38	1
Terphenyl-d14	123		36 - 134				03/14/16 07:11	03/20/16 18:38	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		03/20/16 14:00	03/22/16 18:10	1
Barium	0.17	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:10	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:10	1
Copper	0.035		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:10	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:10	1
Manganese	0.97		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:10	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:10	1
Zinc	1.2		0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:10	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		03/21/16 09:00	03/22/16 22:20	1
Barium	0.052	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 13:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:46	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:46	1
Copper	0.017	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:20	1
Iron	0.67		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 13:46	1
Lead	0.023		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:20	1
Manganese	0.018	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:20	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-28(0-1)-031016D

Lab Sample ID: 500-108664-4

Date Collected: 03/10/16 09:15

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

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		03/21/16 09:00	03/22/16 22:20	1
Zinc	0.12	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Arsenic	2.7		0.54	0.25	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Barium	31		0.54	0.10	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Beryllium	0.24		0.22	0.047	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Cadmium	0.30		0.11	0.032	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Calcium	140000	B	110	35	mg/Kg	☼	03/17/16 08:13	03/23/16 15:26	10
Chromium	6.7		0.54	0.094	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Cobalt	3.0		0.27	0.062	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Copper	9.5		0.54	0.12	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Iron	8700	B	11	4.2	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Lead	98		0.27	0.14	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Magnesium	84000	B	54	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:26	10
Manganese	410	B	0.54	0.11	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Nickel	7.5		0.54	0.15	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Potassium	560		27	4.4	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Selenium	0.43	J	0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Sodium	1100	B	54	7.2	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Vanadium	7.7		0.27	0.080	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	1
Zinc	60		1.1	0.34	mg/Kg	☼	03/17/16 08:13	03/22/16 23:43	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		03/20/16 18:00	03/21/16 22:21	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		03/20/16 18:00	03/22/16 09:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	8.9	ug/Kg	☼	03/19/16 15:30	03/22/16 19:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18		0.200	0.200	SU			03/15/16 11:24	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-29(0-1)-031016

Lab Sample ID: 500-108664-6

Date Collected: 03/10/16 09:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	*		03/15/16 13:12	1
Benzene	<5.4		5.4	1.2	ug/Kg	*		03/15/16 13:12	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	*		03/15/16 13:12	1
Bromoform	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
Bromomethane	<5.4 *		5.4	2.0	ug/Kg	*		03/15/16 13:12	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	*		03/15/16 13:12	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	*		03/15/16 13:12	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	*		03/15/16 13:12	1
Chloroform	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	*		03/15/16 13:12	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	*		03/15/16 13:12	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	*		03/15/16 13:12	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	*		03/15/16 13:12	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	*		03/15/16 13:12	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	*		03/15/16 13:12	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	*		03/15/16 13:12	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	*		03/15/16 13:12	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	*		03/15/16 13:12	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
Styrene	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	*		03/15/16 13:12	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
Toluene	<5.4		5.4	1.9	ug/Kg	*		03/15/16 13:12	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	*		03/15/16 13:12	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	*		03/15/16 13:12	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
1,1,2-Trichloroethane	<5.4		5.4	1.1	ug/Kg	*		03/15/16 13:12	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	*		03/15/16 13:12	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	*		03/15/16 13:12	1
Xylenes, Total	<11		11	2.0	ug/Kg	*		03/15/16 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/15/16 13:12	1
Dibromofluoromethane	101		75 - 120		03/15/16 13:12	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/15/16 13:12	1
Toluene-d8 (Surr)	110		75 - 122		03/15/16 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-29(0-1)-031016

Lab Sample ID: 500-108664-6

Date Collected: 03/10/16 09:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2-Chloronaphthalene	<180		180	40	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2-Chlorophenol	<180		180	61	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2-Methylphenol	<180		180	58	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2-Nitroaniline	<180		180	48	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
2-Nitrophenol	<360		360	85	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
3-Nitroaniline	<360		360	110	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4-Chloroaniline	<720		720	170	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4-Nitroaniline	<360		360	150	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
4-Nitrophenol	<720		720	340	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Acenaphthene	8.9	J	36	6.5	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Acenaphthylene	<36		36	4.7	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Anthracene	16	J	36	6.0	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Benzo[a]anthracene	110		36	4.8	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Benzo[a]pyrene	140	*	36	6.9	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Benzo[b]fluoranthene	250	*	36	7.7	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Benzo[g,h,i]perylene	66	*	36	12	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Benzo[k]fluoranthene	91	*	36	11	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Carbazole	<180		180	90	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Chrysene	120		36	9.8	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Dibenz(a,h)anthracene	<36	*	36	6.9	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Dibenzofuran	<180		180	42	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Diethyl phthalate	<180		180	61	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Dimethyl phthalate	<180		180	47	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Fluoranthene	190		36	6.7	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Fluorene	<36		36	5.0	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Hexachlorobutadiene	<180		180	56	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Hexachloroethane	<180		180	55	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-29(0-1)-031016

Lab Sample ID: 500-108664-6

Date Collected: 03/10/16 09:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

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	70	*	36	9.3	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Isophorone	<180		180	40	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Naphthalene	<36		36	5.5	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Nitrobenzene	<36		36	9.0	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Pentachlorophenol	<720		720	580	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Phenanthrene	67		36	5.0	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Phenol	<180		180	80	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1
Pyrene	240		36	7.1	ug/Kg	*	03/14/16 07:11	03/20/16 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	71		35 - 137	03/14/16 07:11	03/20/16 19:36	1
<i>2-Fluorobiphenyl</i>	75		25 - 119	03/14/16 07:11	03/20/16 19:36	1
<i>2-Fluorophenol</i>	77		25 - 110	03/14/16 07:11	03/20/16 19:36	1
<i>Nitrobenzene-d5</i>	68		25 - 115	03/14/16 07:11	03/20/16 19:36	1
<i>Phenol-d5</i>	79		31 - 110	03/14/16 07:11	03/20/16 19:36	1
<i>Terphenyl-d14</i>	121		36 - 134	03/14/16 07:11	03/20/16 19:36	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		03/20/16 14:00	03/22/16 18:21	1
Barium	0.098	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:21	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:21	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:21	1
Iron	0.22	J	0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:21	1
Manganese	1.1		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:21	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:21	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:21	1
Zinc	0.38	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:21	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		03/21/16 09:00	03/22/16 22:28	1
Barium	<0.50		0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 13:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:28	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:54	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:54	1
Copper	0.016	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:28	1
Iron	0.33	J	0.40	0.20	mg/L		03/21/16 09:00	03/23/16 13:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:28	1
Manganese	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:28	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-29(0-1)-031016

Lab Sample ID: 500-108664-6

Date Collected: 03/10/16 09:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

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		03/21/16 09:00	03/22/16 22:28	1
Zinc	0.076	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.1	0.22	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Arsenic	0.65		0.54	0.25	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Barium	8.7		0.54	0.099	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Beryllium	0.11	J	0.22	0.047	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Cadmium	0.12		0.11	0.031	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Calcium	210000	B	110	35	mg/Kg	☼	03/17/16 08:13	03/23/16 15:34	10
Chromium	7.8		0.54	0.093	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Cobalt	1.1		0.27	0.061	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Copper	3.4		0.54	0.12	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Iron	4100	B	11	4.2	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Lead	16		0.27	0.13	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Magnesium	130000	B	54	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:34	10
Manganese	320	B	0.54	0.11	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Nickel	3.4		0.54	0.15	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Potassium	470		27	4.4	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Sodium	910	B	54	7.1	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Thallium	<0.54		0.54	0.26	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Vanadium	4.3		0.27	0.079	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1
Zinc	18		1.1	0.34	mg/Kg	☼	03/17/16 08:13	03/22/16 23:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/20/16 18:00	03/21/16 22:25	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/20/16 18:00	03/22/16 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.4	ug/Kg	☼	03/19/16 15:30	03/22/16 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.98		0.200	0.200	SU			03/15/16 11:34	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-30(0-1)-031016
Date Collected: 03/10/16 10:00
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-7
Matrix: Solid
Percent Solids: 88.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/15/16 13:37	1
Benzene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/15/16 13:37	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 13:37	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/15/16 13:37	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/15/16 13:37	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 13:37	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/15/16 13:37	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 13:37	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 13:37	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 13:37	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/15/16 13:37	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 13:37	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	☼		03/15/16 13:37	1
1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	☼		03/15/16 13:37	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 13:37	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 13:37	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 13:37	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/15/16 13:37	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/15/16 13:37	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 13:37	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 13:37	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	☼		03/15/16 13:37	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 13:37	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 13:37	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 13:37	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 13:37	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 13:37	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 13:37	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 13:37	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/15/16 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/15/16 13:37	1
Dibromofluoromethane	101		75 - 120		03/15/16 13:37	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/15/16 13:37	1
Toluene-d8 (Surr)	109		75 - 122		03/15/16 13:37	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	☼	03/14/16 07:11	03/20/16 20:04	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-30(0-1)-031016

Lab Sample ID: 500-108664-7

Date Collected: 03/10/16 10:00

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.7

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	85	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2-Chloronaphthalene	<190		190	41	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2-Chlorophenol	<190		190	63	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2-Methylphenol	<190		190	59	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2-Nitroaniline	<190		190	50	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
2-Nitrophenol	<370		370	88	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
3-Nitroaniline	<370		370	110	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4-Chloroaniline	<750		750	170	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4-Nitroaniline	<370		370	160	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
4-Nitrophenol	<750		750	350	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Acenaphthene	16 J		37	6.7	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Acenaphthylene	20 J		37	4.9	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Anthracene	41		37	6.2	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Benzo[a]anthracene	150		37	5.0	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Benzo[a]pyrene	190 *		37	7.2	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Benzo[b]fluoranthene	350 *		37	8.0	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Benzo[g,h,i]perylene	110 *		37	12	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Benzo[k]fluoranthene	140 *		37	11	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Bis(2-ethylhexyl) phthalate	75 J		190	68	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Butyl benzyl phthalate	75 J		190	70	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Carbazole	<190		190	93	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Chrysene	180		37	10	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Dibenz(a,h)anthracene	23 J *		37	7.2	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Dibenzofuran	<190		190	43	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Diethyl phthalate	<190		190	63	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Dimethyl phthalate	<190		190	48	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Fluoranthene	320		37	6.9	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Fluorene	16 J		37	5.2	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Hexachlorobutadiene	<190		190	58	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1
Hexachloroethane	<190		190	56	ug/Kg	*	03/14/16 07:11	03/20/16 20:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-30(0-1)-031016
Date Collected: 03/10/16 10:00
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-7
Matrix: Solid
Percent Solids: 88.7

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	110	*	37	9.6	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Isophorone	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Phenanthrene	190		37	5.2	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Phenol	<190		190	82	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Pyrene	520		37	7.4	ug/Kg	☼	03/14/16 07:11	03/20/16 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		35 - 137				03/14/16 07:11	03/20/16 20:04	1
2-Fluorobiphenyl	78		25 - 119				03/14/16 07:11	03/20/16 20:04	1
2-Fluorophenol	82		25 - 110				03/14/16 07:11	03/20/16 20:04	1
Nitrobenzene-d5	69		25 - 115				03/14/16 07:11	03/20/16 20:04	1
Phenol-d5	83		31 - 110				03/14/16 07:11	03/20/16 20:04	1
Terphenyl-d14	157	X	36 - 134				03/14/16 07:11	03/20/16 20:04	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		03/20/16 14:00	03/22/16 18:26	1
Barium	0.21	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:26	1
Copper	0.020	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:26	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:26	1
Manganese	0.39		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:26	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:26	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:26	1
Zinc	0.42	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:26	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		03/21/16 09:00	03/22/16 22:32	1
Barium	0.075	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 13:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:32	1
Chromium	0.010	J	0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:58	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:58	1
Copper	0.022	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:32	1
Iron	4.4		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 13:58	1
Lead	0.065		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:32	1
Manganese	0.10		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-30(0-1)-031016

Lab Sample ID: 500-108664-7

Date Collected: 03/10/16 10:00

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 88.7

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		03/21/16 09:00	03/22/16 22:32	1
Zinc	0.43	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.1	0.23	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Arsenic	1.2		0.56	0.26	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Barium	21		0.56	0.10	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Beryllium	0.18	J	0.22	0.048	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Cadmium	0.18		0.11	0.032	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Calcium	180000	B	110	36	mg/Kg	☼	03/17/16 08:13	03/23/16 15:39	10
Chromium	5.6		0.56	0.096	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Cobalt	2.0		0.28	0.063	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Copper	6.2		0.56	0.12	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Iron	4300	B	11	4.3	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Lead	62		0.28	0.14	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Magnesium	110000	B	56	23	mg/Kg	☼	03/17/16 08:13	03/23/16 15:39	10
Manganese	250	B	0.56	0.11	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Nickel	5.7		0.56	0.15	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Potassium	510		28	4.5	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Sodium	710	B	56	7.3	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Vanadium	7.0		0.28	0.081	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	1
Zinc	36		1.1	0.35	mg/Kg	☼	03/17/16 08:13	03/22/16 23:59	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		03/20/16 18:00	03/21/16 22:27	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/20/16 18:00	03/22/16 09:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	18	9.3	ug/Kg	☼	03/19/16 15:30	03/22/16 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.04		0.200	0.200	SU			03/15/16 11:39	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-31(0-1)-031016

Lab Sample ID: 500-108664-8

Date Collected: 03/10/16 10:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/15/16 14:02	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 14:02	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/15/16 14:02	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 14:02	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/15/16 14:02	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/15/16 14:02	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 14:02	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/15/16 14:02	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 14:02	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 14:02	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/15/16 14:02	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 14:02	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/15/16 14:02	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 14:02	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 14:02	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 14:02	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 14:02	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/15/16 14:02	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/15/16 14:02	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 14:02	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 14:02	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.88	ug/Kg	☼		03/15/16 14:02	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 14:02	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/15/16 14:02	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 14:02	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 14:02	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 14:02	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 14:02	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 14:02	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/15/16 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/15/16 14:02	1
Dibromofluoromethane	101		75 - 120		03/15/16 14:02	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/15/16 14:02	1
Toluene-d8 (Surr)	110		75 - 122		03/15/16 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-31(0-1)-031016

Lab Sample ID: 500-108664-8

Date Collected: 03/10/16 10:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Acenaphthylene	11	J	36	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Anthracene	<36		36	6.0	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Benzo[a]anthracene	28	J	36	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Benzo[a]pyrene	54	*	36	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Benzo[b]fluoranthene	80	*	36	7.8	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Benzo[g,h,i]perylene	30	J *	36	12	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Benzo[k]fluoranthene	34	J *	36	11	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Carbazole	<180		180	90	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Chrysene	37		36	9.9	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Dibenz(a,h)anthracene	<36	*	36	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Fluoranthene	48		36	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-31(0-1)-031016

Lab Sample ID: 500-108664-8

Date Collected: 03/10/16 10:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.8

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	29	J *	36	9.4	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Isophorone	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Phenanthrene	28	J	36	5.0	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Phenol	<180		180	80	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Pyrene	89		36	7.2	ug/Kg	☼	03/14/16 07:11	03/20/16 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/14/16 07:11	03/20/16 20:33	1
2-Fluorobiphenyl	68		25 - 119				03/14/16 07:11	03/20/16 20:33	1
2-Fluorophenol	74		25 - 110				03/14/16 07:11	03/20/16 20:33	1
Nitrobenzene-d5	61		25 - 115				03/14/16 07:11	03/20/16 20:33	1
Phenol-d5	74		31 - 110				03/14/16 07:11	03/20/16 20:33	1
Terphenyl-d14	153	X	36 - 134				03/14/16 07:11	03/20/16 20:33	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		03/20/16 14:00	03/22/16 18:40	1
Barium	0.17	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:40	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:40	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:40	1
Copper	0.022	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:40	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:40	1
Manganese	0.69		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:40	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:40	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:40	1
Zinc	0.19	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:40	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		03/21/16 09:00	03/22/16 22:37	1
Barium	0.062	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 12:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:49	1
Copper	0.023	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:37	1
Iron	3.4		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 12:49	1
Lead	0.021		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:37	1
Manganese	0.072		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-31(0-1)-031016

Lab Sample ID: 500-108664-8

Date Collected: 03/10/16 10:10

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.8

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		03/21/16 09:00	03/22/16 22:37	1
Zinc	0.46	J	0.50	0.020	mg/L		03/21/16 09:00	03/23/16 12:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Arsenic	2.2		0.55	0.25	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Barium	21		0.55	0.10	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Beryllium	0.18	J	0.22	0.048	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Cadmium	0.10	J	0.11	0.032	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Calcium	180000	B	110	35	mg/Kg	☼	03/17/16 08:13	03/23/16 15:43	10
Chromium	5.2		0.55	0.095	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Cobalt	2.5		0.27	0.062	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Copper	6.4		0.55	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Iron	5100	B	11	4.2	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Lead	36		0.27	0.14	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Magnesium	110000	B	55	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:43	10
Manganese	280	B	0.55	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Nickel	5.9		0.55	0.15	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Potassium	550		27	4.5	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Sodium	1300	B	55	7.3	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Vanadium	5.9		0.27	0.080	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	1
Zinc	29		1.1	0.35	mg/Kg	☼	03/17/16 08:13	03/23/16 00:04	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		03/20/16 18:00	03/21/16 22:29	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		03/20/16 18:00	03/22/16 09:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	9.1	ug/Kg	☼	03/19/16 15:30	03/22/16 19:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.06		0.200	0.200	SU			03/15/16 11:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-32(0-1)-031016

Lab Sample ID: 500-108664-9

Date Collected: 03/10/16 10:22

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/15/16 14:27	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/15/16 14:27	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		03/15/16 14:27	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 14:27	1
Bromomethane	<5.4 *		5.4	2.0	ug/Kg	☼		03/15/16 14:27	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/15/16 14:27	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/15/16 14:27	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/15/16 14:27	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 14:27	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 14:27	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/15/16 14:27	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		03/15/16 14:27	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 14:27	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		03/15/16 14:27	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/15/16 14:27	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/15/16 14:27	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/15/16 14:27	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/15/16 14:27	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/15/16 14:27	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/15/16 14:27	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 14:27	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/15/16 14:27	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 14:27	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/15/16 14:27	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/15/16 14:27	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/15/16 14:27	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		03/15/16 14:27	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/15/16 14:27	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 14:27	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/15/16 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/15/16 14:27	1
Dibromofluoromethane	101		75 - 120		03/15/16 14:27	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/15/16 14:27	1
Toluene-d8 (Surr)	110		75 - 122		03/15/16 14:27	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	☼	03/14/16 07:11	03/20/16 21:02	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 21:02	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/14/16 07:11	03/20/16 21:02	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/14/16 07:11	03/20/16 21:02	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 21:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-32(0-1)-031016

Lab Sample ID: 500-108664-9

Date Collected: 03/10/16 10:22

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

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	*	03/14/16 07:11	03/20/16 21:02	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2-Chloronaphthalene	<170		170	38	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2-Chlorophenol	<170		170	59	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2-Methylnaphthalene	9.1	J	34	6.4	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2-Methylphenol	<170		170	56	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2-Nitroaniline	<170		170	47	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
2-Nitrophenol	<340		340	82	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
3-Nitroaniline	<340		340	110	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4-Chloroaniline	<700		700	160	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4-Nitroaniline	<340		340	150	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
4-Nitrophenol	<700		700	330	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Acenaphthene	<34		34	6.2	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Acenaphthylene	7.9	J	34	4.6	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Anthracene	5.8	J	34	5.8	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Benzo[a]anthracene	35		34	4.7	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Benzo[a]pyrene	59	*	34	6.7	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Benzo[b]fluoranthene	91	*	34	7.5	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Benzo[g,h,i]perylene	44	*	34	11	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Benzo[k]fluoranthene	26	J*	34	10	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Carbazole	<170		170	87	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Chrysene	56		34	9.5	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Dibenz(a,h)anthracene	<34	*	34	6.7	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Dibenzofuran	<170		170	41	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Diethyl phthalate	<170		170	59	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Dimethyl phthalate	<170		170	45	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Fluoranthene	56		34	6.4	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Fluorene	<34		34	4.9	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Hexachlorobutadiene	<170		170	55	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1
Hexachloroethane	<170		170	53	ug/Kg	*	03/14/16 07:11	03/20/16 21:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-32(0-1)-031016
Date Collected: 03/10/16 10:22
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-9
Matrix: Solid
Percent Solids: 92.2

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Includes analytes like Indeno[1,2,3-cd]pyrene, Isophorone, Naphthalene, etc.

Method: 6010B - Metals (ICP) - TCLP

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Includes analytes like Arsenic, Barium, Beryllium, etc.

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Includes analytes like Arsenic, Barium, Beryllium, etc.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-32(0-1)-031016

Lab Sample ID: 500-108664-9

Date Collected: 03/10/16 10:22

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 92.2

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		03/21/16 09:00	03/22/16 22:41	1
Zinc	0.32	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.1	0.22	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Arsenic	1.7		0.54	0.25	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Barium	18		0.54	0.099	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Beryllium	0.16	J	0.22	0.047	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Cadmium	0.19		0.11	0.031	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Calcium	150000	B	110	35	mg/Kg	☼	03/17/16 08:13	03/23/16 15:48	10
Chromium	3.9		0.54	0.093	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Cobalt	2.4		0.27	0.061	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Copper	4.1		0.54	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Iron	4500	B	11	4.2	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Lead	42		0.27	0.13	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Magnesium	92000	B	54	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:48	10
Manganese	330	B	0.54	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Nickel	5.2		0.54	0.15	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Potassium	480		27	4.4	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Sodium	910	B	54	7.1	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Vanadium	6.0		0.27	0.079	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	1
Zinc	27		1.1	0.34	mg/Kg	☼	03/17/16 08:13	03/23/16 00:10	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		03/20/16 18:00	03/21/16 22:31	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		03/20/16 18:00	03/22/16 09:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<16		16	8.5	ug/Kg	☼	03/19/16 15:30	03/22/16 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12		0.200	0.200	SU			03/15/16 11:49	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-33(0-1)-031016

Lab Sample ID: 500-108664-10

Date Collected: 03/10/16 10:36

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	*		03/15/16 14:52	1
Benzene	<5.5		5.5	1.2	ug/Kg	*		03/15/16 14:52	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	*		03/15/16 14:52	1
Bromoform	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	*		03/15/16 14:52	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	*		03/15/16 14:52	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	*		03/15/16 14:52	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	*		03/15/16 14:52	1
Chloroform	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	*		03/15/16 14:52	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	*		03/15/16 14:52	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	*		03/15/16 14:52	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	*		03/15/16 14:52	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	*		03/15/16 14:52	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	*		03/15/16 14:52	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	*		03/15/16 14:52	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	*		03/15/16 14:52	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		03/15/16 14:52	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
Styrene	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	*		03/15/16 14:52	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
Toluene	<5.5		5.5	1.9	ug/Kg	*		03/15/16 14:52	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	*		03/15/16 14:52	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	*		03/15/16 14:52	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	*		03/15/16 14:52	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	*		03/15/16 14:52	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	*		03/15/16 14:52	1
Xylenes, Total	<11		11	2.0	ug/Kg	*		03/15/16 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>4-Bromofluorobenzene (Surr)</i>	104		70 - 122		03/15/16 14:52	1
<i>Dibromofluoromethane</i>	101		75 - 120		03/15/16 14:52	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		70 - 134		03/15/16 14:52	1
<i>Toluene-d8 (Surr)</i>	111		75 - 122		03/15/16 14:52	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	*	03/14/16 07:11	03/20/16 16:43	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-33(0-1)-031016

Lab Sample ID: 500-108664-10

Date Collected: 03/10/16 10:36

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.5

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	☼	03/14/16 07:11	03/20/16 16:43	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Acenaphthylene	9.7	J	35	4.7	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Anthracene	12	J	35	6.0	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Benzo[a]anthracene	64		35	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Benzo[a]pyrene	77		35	6.9	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Benzo[b]fluoranthene	140		35	7.7	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Benzo[g,h,i]perylene	41		35	11	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Benzo[k]fluoranthene	47		35	11	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Carbazole	<180		180	89	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Chrysene	77		35	9.7	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Dibenz(a,h)anthracene	9.2	J	35	6.9	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Fluoranthene	160		35	6.6	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/14/16 07:11	03/20/16 16:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-33(0-1)-031016

Lab Sample ID: 500-108664-10

Date Collected: 03/10/16 10:36

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.5

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	46		35	9.3	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Isophorone	<180		180	40	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Naphthalene	<35		35	5.5	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Nitrobenzene	<35		35	8.9	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Pentachlorophenol	<720		720	570	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Phenanthrene	71		35	5.0	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Phenol	<180		180	79	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1
Pyrene	120		35	7.1	ug/Kg	*	03/14/16 07:11	03/20/16 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137	03/14/16 07:11	03/20/16 16:43	1
2-Fluorobiphenyl	74		25 - 119	03/14/16 07:11	03/20/16 16:43	1
2-Fluorophenol	80		25 - 110	03/14/16 07:11	03/20/16 16:43	1
Nitrobenzene-d5	71		25 - 115	03/14/16 07:11	03/20/16 16:43	1
Phenol-d5	76		31 - 110	03/14/16 07:11	03/20/16 16:43	1
Terphenyl-d14	81		36 - 134	03/14/16 07:11	03/20/16 16:43	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		03/20/16 14:00	03/22/16 18:50	1
Barium	0.13	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:50	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:50	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:50	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:50	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:50	1
Manganese	1.2		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:50	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:50	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:50	1
Zinc	0.18	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:50	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		03/21/16 09:00	03/22/16 22:53	1
Barium	0.058	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 12:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:53	1
Copper	0.020	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:53	1
Iron	1.3		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 12:53	1
Lead	0.016		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:53	1
Manganese	0.034		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-33(0-1)-031016

Lab Sample ID: 500-108664-10

Date Collected: 03/10/16 10:36

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.5

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		03/21/16 09:00	03/22/16 22:53	1
Zinc	0.69		0.50	0.020	mg/L		03/21/16 09:00	03/23/16 12:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Arsenic	1.3		0.54	0.25	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Barium	18		0.54	0.099	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Beryllium	0.15	J	0.22	0.047	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Cadmium	0.15		0.11	0.031	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Calcium	170000	B	110	35	mg/Kg	⊛	03/17/16 08:13	03/23/16 15:52	10
Chromium	4.1		0.54	0.093	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Cobalt	2.5		0.27	0.061	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Copper	5.1		0.54	0.12	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Iron	5000	B	11	4.2	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Lead	31		0.27	0.14	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Magnesium	110000	B	54	22	mg/Kg	⊛	03/17/16 08:13	03/23/16 15:52	10
Manganese	360	B	0.54	0.11	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Nickel	4.7		0.54	0.15	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Potassium	600		27	4.4	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Selenium	<0.54		0.54	0.27	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Silver	<0.27		0.27	0.064	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Sodium	930	B	54	7.2	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Thallium	<0.54		0.54	0.27	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Vanadium	5.3		0.27	0.079	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	1
Zinc	33		1.1	0.34	mg/Kg	⊛	03/17/16 08:13	03/23/16 00:15	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		03/20/16 18:00	03/21/16 22:33	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		03/20/16 18:00	03/22/16 09:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.5	ug/Kg	⊛	03/19/16 15:30	03/22/16 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00		0.200	0.200	SU			03/15/16 11:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-34(0-1)-031016

Lab Sample ID: 500-108664-11

Date Collected: 03/10/16 10:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/15/16 15:17	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 15:17	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/15/16 15:17	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 15:17	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/15/16 15:17	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/15/16 15:17	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 15:17	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/15/16 15:17	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 15:17	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 15:17	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/15/16 15:17	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 15:17	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/15/16 15:17	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 15:17	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 15:17	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 15:17	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 15:17	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/15/16 15:17	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/15/16 15:17	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 15:17	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 15:17	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/15/16 15:17	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 15:17	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 15:17	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 15:17	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 15:17	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 15:17	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 15:17	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 15:17	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/15/16 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 122		03/15/16 15:17	1
Dibromofluoromethane	103		75 - 120		03/15/16 15:17	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/15/16 15:17	1
Toluene-d8 (Surr)	112		75 - 122		03/15/16 15:17	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	☼	03/14/16 07:11	03/20/16 17:12	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-34(0-1)-031016

Lab Sample ID: 500-108664-11

Date Collected: 03/10/16 10:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Anthracene	14	J	37	6.2	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Benzo[a]anthracene	64		37	5.0	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Benzo[a]pyrene	81	*	37	7.2	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Benzo[b]fluoranthene	150	*	37	8.0	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Benzo[g,h,i]perylene	43	*	37	12	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Benzo[k]fluoranthene	49	*	37	11	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Carbazole	<190		190	93	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Chrysene	86		37	10	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Fluoranthene	170		37	6.9	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-34(0-1)-031016
Date Collected: 03/10/16 10:50
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-11
Matrix: Solid
Percent Solids: 89.0

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	44	*	37	9.7	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Isophorone	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Phenanthrene	85		37	5.2	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Phenol	<190		190	83	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Pyrene	160		37	7.4	ug/Kg	☼	03/14/16 07:11	03/20/16 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	79		35 - 137				03/14/16 07:11	03/20/16 17:12	1
<i>2-Fluorobiphenyl</i>	75		25 - 119				03/14/16 07:11	03/20/16 17:12	1
<i>2-Fluorophenol</i>	81		25 - 110				03/14/16 07:11	03/20/16 17:12	1
<i>Nitrobenzene-d5</i>	70		25 - 115				03/14/16 07:11	03/20/16 17:12	1
<i>Phenol-d5</i>	79		31 - 110				03/14/16 07:11	03/20/16 17:12	1
<i>Terphenyl-d14</i>	100		36 - 134				03/14/16 07:11	03/20/16 17:12	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		03/20/16 14:00	03/22/16 18:55	1
Barium	0.20	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:55	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:55	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:55	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:55	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:55	1
Manganese	1.1		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:55	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:55	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:55	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:55	1
Zinc	0.31	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:55	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		03/21/16 09:00	03/22/16 22:57	1
Barium	0.058	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 14:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:57	1
Chromium	0.017	J	0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:23	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:23	1
Copper	0.011	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:57	1
Iron	11		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 14:23	1
Lead	0.094		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:57	1
Manganese	0.19		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:57	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:57	1

TestAmerica Chicago



Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-34(0-1)-031016

Lab Sample ID: 500-108664-11

Date Collected: 03/10/16 10:50

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.0

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		03/21/16 09:00	03/22/16 22:57	1
Zinc	0.30	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Arsenic	1.5		0.54	0.25	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Barium	37		0.54	0.099	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Beryllium	0.19	J	0.22	0.047	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Cadmium	0.24		0.11	0.031	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Calcium	15000	B	110	35	mg/Kg	☼	03/17/16 08:13	03/23/16 15:01	10
Chromium	5.9		0.54	0.093	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Cobalt	2.5		0.27	0.061	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Copper	7.1		0.54	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Iron	5900	B	11	4.2	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Lead	71		0.27	0.13	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Magnesium	93000	B	54	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:01	10
Manganese	290	B	0.54	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Nickel	6.0		0.54	0.15	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Potassium	460		27	4.4	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Sodium	1100	B	54	7.1	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Vanadium	6.3		0.27	0.079	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	1
Zinc	49		1.1	0.34	mg/Kg	☼	03/17/16 08:13	03/23/16 00:20	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		03/20/16 18:00	03/21/16 22:39	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		03/20/16 18:00	03/22/16 09:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		18	9.5	ug/Kg	☼	03/19/16 15:30	03/22/16 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18		0.200	0.200	SU			03/15/16 11:59	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-35(0-1)-031016

Lab Sample ID: 500-108664-12

Date Collected: 03/10/16 11:06

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/15/16 15:42	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/15/16 15:42	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		03/15/16 15:42	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
Bromomethane	<5.4 *		5.4	2.0	ug/Kg	☼		03/15/16 15:42	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/15/16 15:42	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/15/16 15:42	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/15/16 15:42	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/15/16 15:42	1
Dibromochloromethane	<5.4		5.4	0.63	ug/Kg	☼		03/15/16 15:42	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	☼		03/15/16 15:42	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/15/16 15:42	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/15/16 15:42	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/15/16 15:42	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/15/16 15:42	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/15/16 15:42	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/15/16 15:42	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/15/16 15:42	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/15/16 15:42	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/15/16 15:42	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/15/16 15:42	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
1,1,2-Trichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/15/16 15:42	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/15/16 15:42	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/15/16 15:42	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/15/16 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 122		03/15/16 15:42	1
Dibromofluoromethane	100		75 - 120		03/15/16 15:42	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/15/16 15:42	1
Toluene-d8 (Surr)	114		75 - 122		03/15/16 15:42	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	☼	03/14/16 07:11	03/20/16 21:31	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-35(0-1)-031016

Lab Sample ID: 500-108664-12

Date Collected: 03/10/16 11:06

Matrix: Solid

Date Received: 03/10/16 16:55

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	<340		340	77	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,4-Dichlorophenol	<340		340	80	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,4-Dinitrophenol	<680		680	600	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2-Methylnaphthalene	<34		34	6.2	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2-Methylphenol	<170		170	54	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
3,3'-Dichlorobenzidine	<170 *		170	47	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4,6-Dinitro-2-methylphenol	<680		680	270	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4-Chloroaniline	<680		680	160	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
4-Nitrophenol	<680		680	320	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Acenaphthene	<34		34	6.1	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Acenaphthylene	11 J		34	4.5	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Anthracene	11 J		34	5.7	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Benzo[a]anthracene	99 *		34	4.6	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Benzo[a]pyrene	120 *		34	6.6	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Benzo[b]fluoranthene	220 *		34	7.3	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Benzo[g,h,i]perylene	48 *		34	11	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Benzo[k]fluoranthene	72 *		34	10	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Bis(2-ethylhexyl) phthalate	<170 *		170	62	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Butyl benzyl phthalate	<170 *		170	64	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Carbazole	<170		170	85	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Chrysene	100 *		34	9.2	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Dibenz(a,h)anthracene	<34 *		34	6.5	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Dibenzofuran	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Fluoranthene	140		34	6.3	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Fluorene	<34		34	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Hexachlorobenzene	<68		68	7.9	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Hexachlorocyclopentadiene	<680		680	190	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Hexachloroethane	<170		170	52	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-35(0-1)-031016

Lab Sample ID: 500-108664-12

Date Collected: 03/10/16 11:06

Matrix: Solid

Date Received: 03/10/16 16:55

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	60	*	34	8.8	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Isophorone	<170		170	38	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Naphthalene	<34		34	5.2	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Nitrobenzene	<34		34	8.5	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
N-Nitrosodi-n-propylamine	<68		68	41	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Pentachlorophenol	<680		680	540	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Phenanthrene	39		34	4.7	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Phenol	<170		170	75	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Pyrene	290	*	34	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137				03/14/16 07:11	03/20/16 21:31	1
2-Fluorobiphenyl	71		25 - 119				03/14/16 07:11	03/20/16 21:31	1
2-Fluorophenol	76		25 - 110				03/14/16 07:11	03/20/16 21:31	1
Nitrobenzene-d5	66		25 - 115				03/14/16 07:11	03/20/16 21:31	1
Phenol-d5	75		31 - 110				03/14/16 07:11	03/20/16 21:31	1
Terphenyl-d14	176	X*	36 - 134				03/14/16 07:11	03/20/16 21:31	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		03/20/16 14:00	03/22/16 19:01	1
Barium	0.11	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 19:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 19:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 19:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:01	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:01	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:01	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 19:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 19:01	1
Manganese	1.1		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 19:01	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:01	1
Zinc	0.36	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 19:01	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		03/21/16 09:00	03/22/16 23:02	1
Barium	<0.50		0.50	0.050	mg/L		03/21/16 09:00	03/22/16 23:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 23:02	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:27	1
Copper	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:02	1
Iron	0.24	J	0.40	0.20	mg/L		03/21/16 09:00	03/23/16 14:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 23:02	1
Manganese	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:02	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 23:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-35(0-1)-031016

Lab Sample ID: 500-108664-12

Date Collected: 03/10/16 11:06

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.9

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		03/21/16 09:00	03/22/16 23:02	1
Zinc	0.034	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 23:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Arsenic	0.91		0.53	0.24	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Barium	11		0.53	0.097	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Beryllium	0.13	J	0.21	0.046	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Cadmium	0.19		0.11	0.031	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Calcium	170000	B	110	34	mg/Kg	☼	03/17/16 08:13	03/23/16 15:12	10
Chromium	4.0		0.53	0.091	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Cobalt	1.5		0.26	0.060	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Copper	3.9		0.53	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Iron	4200	B	11	4.1	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Lead	13		0.26	0.13	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Magnesium	100000	B	53	21	mg/Kg	☼	03/17/16 08:13	03/23/16 15:12	10
Manganese	270	B	0.53	0.10	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Nickel	3.7		0.53	0.14	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Potassium	480		26	4.3	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Sodium	1200	B	53	7.0	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Vanadium	3.9		0.26	0.077	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	1
Zinc	31		1.1	0.33	mg/Kg	☼	03/17/16 08:13	03/23/16 00:25	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		03/20/16 18:00	03/21/16 22:41	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/20/16 18:00	03/22/16 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.3	ug/Kg	☼	03/19/16 15:30	03/22/16 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.81		0.200	0.200	SU			03/15/16 12:04	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-36(0-1)-031016

Lab Sample ID: 500-108664-13

Date Collected: 03/10/16 11:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/15/16 16:08	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 16:08	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/15/16 16:08	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 16:08	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/15/16 16:08	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/15/16 16:08	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 16:08	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/15/16 16:08	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 16:08	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 16:08	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/15/16 16:08	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 16:08	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/15/16 16:08	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 16:08	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 16:08	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 16:08	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 16:08	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/15/16 16:08	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/15/16 16:08	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/15/16 16:08	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 16:08	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/15/16 16:08	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/15/16 16:08	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/15/16 16:08	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/15/16 16:08	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/15/16 16:08	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/15/16 16:08	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/15/16 16:08	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/15/16 16:08	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/15/16 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122		03/15/16 16:08	1
Dibromofluoromethane	103		75 - 120		03/15/16 16:08	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/15/16 16:08	1
Toluene-d8 (Surr)	114		75 - 122		03/15/16 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-36(0-1)-031016
Date Collected: 03/10/16 11:45
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-13
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Acenaphthylene	36		36	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Anthracene	21 J		36	6.0	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Benzo[a]anthracene	120		36	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Benzo[a]pyrene	170 *		36	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Benzo[b]fluoranthene	300 *		36	7.8	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Benzo[g,h,i]perylene	90 *		36	12	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Benzo[k]fluoranthene	92 *		36	11	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Carbazole	<180		180	90	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Chrysene	140		36	9.9	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Fluoranthene	200		36	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Fluorene	5.3 J		36	5.1	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-36(0-1)-031016

Lab Sample ID: 500-108664-13

Date Collected: 03/10/16 11:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.3

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	93	*	36	9.4	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Isophorone	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Phenanthrene	80		36	5.0	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Phenol	<180		180	80	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Pyrene	370		36	7.2	ug/Kg	☼	03/14/16 07:11	03/20/16 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		35 - 137				03/14/16 07:11	03/20/16 22:00	1
2-Fluorobiphenyl	68		25 - 119				03/14/16 07:11	03/20/16 22:00	1
2-Fluorophenol	72		25 - 110				03/14/16 07:11	03/20/16 22:00	1
Nitrobenzene-d5	62		25 - 115				03/14/16 07:11	03/20/16 22:00	1
Phenol-d5	69		31 - 110				03/14/16 07:11	03/20/16 22:00	1
Terphenyl-d14	150	X	36 - 134				03/14/16 07:11	03/20/16 22:00	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		03/20/16 14:00	03/22/16 19:06	1
Barium	0.12	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 19:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 19:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 19:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:06	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:06	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 19:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 19:06	1
Manganese	1.2		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 19:06	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:06	1
Zinc	0.36	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/21/16 09:00	03/22/16 23:06	1
Barium	0.061	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 23:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 14:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 23:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:32	1
Copper	0.020	J	0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:06	1
Iron	1.3		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 14:32	1
Lead	0.028		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 23:06	1
Manganese	0.036		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 23:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-36(0-1)-031016

Lab Sample ID: 500-108664-13

Date Collected: 03/10/16 11:45

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 89.3

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		03/21/16 09:00	03/22/16 23:06	1
Zinc	0.19	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 23:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Arsenic	1.4		0.55	0.26	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Barium	15		0.55	0.10	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Beryllium	0.14	J	0.22	0.048	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Cadmium	0.13		0.11	0.032	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Calcium	170000	B	110	36	mg/Kg	☼	03/17/16 08:13	03/23/16 15:17	10
Chromium	7.1		0.55	0.095	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Cobalt	1.8		0.28	0.063	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Copper	6.2		0.55	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Iron	4600	B	11	4.3	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Lead	48		0.28	0.14	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Magnesium	110000	B	55	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:17	10
Manganese	240	B	0.55	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Nickel	4.8		0.55	0.15	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Potassium	540		28	4.5	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Selenium	0.35	J	0.55	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Sodium	1300	B	55	7.3	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Vanadium	5.1		0.28	0.081	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	1
Zinc	45		1.1	0.35	mg/Kg	☼	03/17/16 08:13	03/23/16 00:31	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		03/20/16 18:00	03/21/16 22:43	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/20/16 18:00	03/22/16 09:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	9.0	ug/Kg	☼	03/19/16 15:30	03/22/16 19:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.26		0.200	0.200	SU			03/15/16 12:09	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-37(0-1)-031016

Lab Sample ID: 500-108664-14

Date Collected: 03/10/16 11:53

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/15/16 16:33	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/15/16 16:33	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/15/16 16:33	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/15/16 16:33	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 16:33	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/15/16 16:33	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/15/16 16:33	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/15/16 16:33	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/15/16 16:33	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 16:33	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 16:33	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/15/16 16:33	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 16:33	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/15/16 16:33	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/15/16 16:33	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 16:33	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/15/16 16:33	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/15/16 16:33	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 16:33	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/15/16 16:33	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 16:33	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 16:33	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 16:33	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/15/16 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122		03/15/16 16:33	1
Dibromofluoromethane	101		75 - 120		03/15/16 16:33	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/15/16 16:33	1
Toluene-d8 (Surr)	112		75 - 122		03/15/16 16:33	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	☼	03/14/16 07:11	03/20/16 22:28	1
1,2-Dichlorobenzene	<170		170	42	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-37(0-1)-031016

Lab Sample ID: 500-108664-14

Date Collected: 03/10/16 11:53

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

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	79	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2-Methylphenol	<170		170	56	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
3,3'-Dichlorobenzidine	<170 *		170	49	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Acenaphthene	<35		35	6.2	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Anthracene	<35		35	5.8	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Benzo[a]anthracene	31	J *	35	4.7	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Benzo[a]pyrene	61	*	35	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Benzo[b]fluoranthene	97	*	35	7.5	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Benzo[g,h,i]perylene	45	*	35	11	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Benzo[k]fluoranthene	31	J *	35	10	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Bis(2-ethylhexyl) phthalate	<170 *		170	64	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Butyl benzyl phthalate	<170 *		170	66	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Carbazole	<170		170	87	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Chrysene	48	*	35	9.5	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Dibenz(a,h)anthracene	<35 *		35	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Dibenzofuran	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Fluoranthene	49		35	6.4	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Fluorene	<35		35	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Hexachloroethane	<170		170	53	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-37(0-1)-031016
Date Collected: 03/10/16 11:53
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-14
Matrix: Solid
Percent Solids: 90.8

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	39	*	35	9.0	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Isophorone	<170		170	39	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Naphthalene	<35		35	5.3	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Phenanthrene	20	J	35	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Phenol	<170		170	77	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Pyrene	92	*	35	6.9	ug/Kg	☼	03/14/16 07:11	03/20/16 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		35 - 137				03/14/16 07:11	03/20/16 22:28	1
2-Fluorobiphenyl	71		25 - 119				03/14/16 07:11	03/20/16 22:28	1
2-Fluorophenol	78		25 - 110				03/14/16 07:11	03/20/16 22:28	1
Nitrobenzene-d5	65		25 - 115				03/14/16 07:11	03/20/16 22:28	1
Phenol-d5	77		31 - 110				03/14/16 07:11	03/20/16 22:28	1
Terphenyl-d14	156	X*	36 - 134				03/14/16 07:11	03/20/16 22:28	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		03/20/16 14:00	03/22/16 19:11	1
Barium	0.12	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 19:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 19:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:11	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:11	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 19:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 19:11	1
Manganese	1.0		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 19:11	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:11	1
Zinc	0.099	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/21/16 09:00	03/22/16 23:10	1
Barium	0.083	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 23:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 14:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 23:10	1
Chromium	0.015	J	0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:36	1
Copper	0.025		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:10	1
Iron	7.0		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 14:36	1
Lead	0.038		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 23:10	1
Manganese	0.095		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 23:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-37(0-1)-031016

Lab Sample ID: 500-108664-14

Date Collected: 03/10/16 11:53

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 90.8

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		03/21/16 09:00	03/22/16 23:10	1
Zinc	0.27	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 23:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Arsenic	0.96		0.55	0.25	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Barium	13		0.55	0.10	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Beryllium	0.16	J	0.22	0.047	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Cadmium	0.14		0.11	0.032	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Calcium	190000	B	110	35	mg/Kg	☼	03/17/16 08:13	03/23/16 15:21	10
Chromium	6.8		0.55	0.094	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Cobalt	1.5		0.27	0.062	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Copper	4.4		0.55	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Iron	4300	B	11	4.2	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Lead	18		0.27	0.14	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Magnesium	120000	B	55	22	mg/Kg	☼	03/17/16 08:13	03/23/16 15:21	10
Manganese	250	B	0.55	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Nickel	4.0		0.55	0.15	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Potassium	470		27	4.5	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Selenium	0.35	J	0.55	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Sodium	1300	B	55	7.2	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Vanadium	4.7		0.27	0.080	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	1
Zinc	30		1.1	0.35	mg/Kg	☼	03/17/16 08:13	03/23/16 00:44	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		03/20/16 18:00	03/21/16 22:45	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		03/20/16 18:00	03/22/16 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	8.9	ug/Kg	☼	03/19/16 15:30	03/22/16 19:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.05		0.200	0.200	SU			03/15/16 12:14	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-40(0-1)-031016

Lab Sample ID: 500-108664-18

Date Collected: 03/10/16 12:24

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/15/16 18:13	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/15/16 18:13	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		03/15/16 18:13	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/15/16 18:13	1
Bromomethane	<5.8 *		5.8	2.2	ug/Kg	☼		03/15/16 18:13	1
Carbon disulfide	<5.8		5.8	2.2	ug/Kg	☼		03/15/16 18:13	1
Carbon tetrachloride	<5.8		5.8	1.3	ug/Kg	☼		03/15/16 18:13	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
Chloroethane	<5.8		5.8	2.5	ug/Kg	☼		03/15/16 18:13	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/15/16 18:13	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/15/16 18:13	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/15/16 18:13	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/15/16 18:13	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/15/16 18:13	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		03/15/16 18:13	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/15/16 18:13	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/15/16 18:13	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/15/16 18:13	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/15/16 18:13	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/15/16 18:13	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/15/16 18:13	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/15/16 18:13	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		03/15/16 18:13	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/15/16 18:13	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/15/16 18:13	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/15/16 18:13	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/15/16 18:13	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/15/16 18:13	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/15/16 18:13	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/15/16 18:13	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/15/16 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 122		03/15/16 18:13	1
Dibromofluoromethane	104		75 - 120		03/15/16 18:13	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		03/15/16 18:13	1
Toluene-d8 (Surr)	111		75 - 122		03/15/16 18:13	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	☼	03/14/16 07:11	03/21/16 00:23	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-40(0-1)-031016

Lab Sample ID: 500-108664-18

Date Collected: 03/10/16 12:24

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Acenaphthylene	14 J		37	5.0	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Anthracene	13 J		37	6.3	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Benzo[a]anthracene	74 *		37	5.1	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Benzo[a]pyrene	130 *		37	7.3	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Benzo[b]fluoranthene	190 *		37	8.1	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Benzo[g,h,i]perylene	140 *		37	12	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Benzo[k]fluoranthene	41 *		37	11	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Bis(2-ethylhexyl) phthalate	<190 *		190	69	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Butyl benzyl phthalate	<190 *		190	72	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Carbazole	<190		190	94	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Chrysene	110 *		37	10	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Fluoranthene	120		37	7.0	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/14/16 07:11	03/21/16 00:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-40(0-1)-031016
Date Collected: 03/10/16 12:24
Date Received: 03/10/16 16:55

Lab Sample ID: 500-108664-18
Matrix: Solid
Percent Solids: 85.5

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	82	*	37	9.8	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Isophorone	<190		190	42	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Naphthalene	<37		37	5.8	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Nitrobenzene	<37		37	9.4	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Pentachlorophenol	<760		760	610	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Phenanthrene	64		37	5.3	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Phenol	<190		190	84	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Pyrene	280	*	37	7.5	ug/Kg	*	03/14/16 07:11	03/21/16 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	72		35 - 137				<i>03/14/16 07:11</i>	<i>03/21/16 00:23</i>	1
<i>2-Fluorobiphenyl</i>	73		25 - 119				<i>03/14/16 07:11</i>	<i>03/21/16 00:23</i>	1
<i>2-Fluorophenol</i>	78		25 - 110				<i>03/14/16 07:11</i>	<i>03/21/16 00:23</i>	1
<i>Nitrobenzene-d5</i>	68		25 - 115				<i>03/14/16 07:11</i>	<i>03/21/16 00:23</i>	1
<i>Phenol-d5</i>	75		31 - 110				<i>03/14/16 07:11</i>	<i>03/21/16 00:23</i>	1
<i>Terphenyl-d14</i>	174	*X	36 - 134				<i>03/14/16 07:11</i>	<i>03/21/16 00:23</i>	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		03/20/16 14:00	03/22/16 19:40	1
Barium	0.28	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 19:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 19:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 19:40	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:40	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:40	1
Copper	0.017	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:40	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 19:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 19:40	1
Manganese	0.44		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:40	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 19:40	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:40	1
Zinc	0.26	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 19:40	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		03/21/16 09:00	03/22/16 23:27	1
Barium	0.20	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 23:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 14:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 23:27	1
Chromium	0.069		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:52	1
Cobalt	<0.025		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:52	1
Copper	0.060		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:27	1
Iron	41		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 14:52	1
Lead	0.24		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 23:27	1
Manganese	0.48		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:27	1
Nickel	0.037		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 14:52	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 23:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-40(0-1)-031016

Lab Sample ID: 500-108664-18

Date Collected: 03/10/16 12:24

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.5

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		03/21/16 09:00	03/22/16 23:27	1
Zinc	0.43	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 23:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Arsenic	2.9		0.58	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Barium	37		0.58	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Beryllium	0.31		0.23	0.050	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Cadmium	0.18		0.12	0.034	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Calcium	99000	B	120	37	mg/Kg	☼	03/17/16 08:13	03/23/16 15:38	10
Chromium	14		0.58	0.10	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Cobalt	4.0		0.29	0.066	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Copper	11		0.58	0.13	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Iron	8100	B	12	4.5	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Lead	89		0.29	0.14	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Magnesium	60000	B	58	24	mg/Kg	☼	03/17/16 08:13	03/23/16 15:38	10
Manganese	370	B	0.58	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Nickel	10		0.58	0.16	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Potassium	650		29	4.7	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Selenium	0.64		0.58	0.29	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Sodium	2300	B	58	7.7	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Vanadium	12		0.29	0.085	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	1
Zinc	72		1.2	0.37	mg/Kg	☼	03/17/16 08:13	03/23/16 01:04	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		03/20/16 18:00	03/21/16 22:53	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		03/20/16 18:00	03/22/16 09:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		18	9.5	ug/Kg	☼	03/19/16 15:30	03/22/16 19:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			03/15/16 12:33	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-41(0-1)-031016

Lab Sample ID: 500-108664-19

Date Collected: 03/10/16 12:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/15/16 18:38	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/15/16 18:38	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		03/15/16 18:38	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/15/16 18:38	1
Bromomethane	<5.9 *		5.9	2.2	ug/Kg	☼		03/15/16 18:38	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/15/16 18:38	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/15/16 18:38	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/15/16 18:38	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/15/16 18:38	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/15/16 18:38	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/15/16 18:38	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/15/16 18:38	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/15/16 18:38	1
Dibromochloromethane	<5.9		5.9	0.67	ug/Kg	☼		03/15/16 18:38	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/15/16 18:38	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/15/16 18:38	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/15/16 18:38	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/15/16 18:38	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/15/16 18:38	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/15/16 18:38	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/15/16 18:38	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		03/15/16 18:38	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/15/16 18:38	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/15/16 18:38	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/15/16 18:38	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/15/16 18:38	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		03/15/16 18:38	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/15/16 18:38	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		03/15/16 18:38	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/15/16 18:38	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/15/16 18:38	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/15/16 18:38	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/15/16 18:38	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/15/16 18:38	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/15/16 18:38	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/15/16 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/15/16 18:38	1
Dibromofluoromethane	102		75 - 120		03/15/16 18:38	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134		03/15/16 18:38	1
Toluene-d8 (Surr)	108		75 - 122		03/15/16 18:38	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	☼	03/14/16 07:11	03/19/16 13:13	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-41(0-1)-031016

Lab Sample ID: 500-108664-19

Date Collected: 03/10/16 12:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.2

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	88	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Anthracene	<38		38	6.4	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Benzo[a]anthracene	17	J	38	5.2	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Benzo[a]pyrene	23	J*	38	7.4	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Benzo[b]fluoranthene	40	*	38	8.3	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Benzo[g,h,i]perylene	<38	*	38	12	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Benzo[k]fluoranthene	18	J*	38	11	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Carbazole	<190		190	96	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Chrysene	23	J	38	10	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Dibenz(a,h)anthracene	<38	*	38	7.4	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Fluoranthene	34	J	38	7.1	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-41(0-1)-031016

Lab Sample ID: 500-108664-19

Date Collected: 03/10/16 12:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.2

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	<38	*	38	9.9	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Isophorone	<190		190	43	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Phenanthrene	17	J	38	5.3	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Phenol	<190		190	85	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1
Pyrene	45		38	7.6	ug/Kg	☼	03/14/16 07:11	03/19/16 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		35 - 137	03/14/16 07:11	03/19/16 13:13	1
2-Fluorobiphenyl	66		25 - 119	03/14/16 07:11	03/19/16 13:13	1
2-Fluorophenol	75		25 - 110	03/14/16 07:11	03/19/16 13:13	1
Nitrobenzene-d5	61		25 - 115	03/14/16 07:11	03/19/16 13:13	1
Phenol-d5	70		31 - 110	03/14/16 07:11	03/19/16 13:13	1
Terphenyl-d14	103		36 - 134	03/14/16 07:11	03/19/16 13:13	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		03/20/16 14:00	03/22/16 19:45	1
Barium	0.27	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 19:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 19:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 19:45	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:45	1
Cobalt	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:45	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:45	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 19:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 19:45	1
Manganese	0.099		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:45	1
Nickel	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:45	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 19:45	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 19:45	1
Zinc	1.5		0.50	0.020	mg/L		03/20/16 14:00	03/22/16 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025	J	0.050	0.010	mg/L		03/21/16 09:00	03/22/16 23:31	1
Barium	0.40	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 23:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 12:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 23:31	1
Chromium	0.11		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:58	1
Cobalt	0.026		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:58	1
Copper	0.085		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:31	1
Iron	97		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 12:58	1
Lead	0.33		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 23:31	1
Manganese	0.93		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 23:31	1
Nickel	0.087		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 12:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 23:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: KR-41(0-1)-031016

Lab Sample ID: 500-108664-19

Date Collected: 03/10/16 12:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 85.2

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		03/21/16 09:00	03/22/16 23:31	1
Zinc	0.53		0.50	0.020	mg/L		03/21/16 09:00	03/23/16 12:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Arsenic	4.9		0.57	0.27	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Barium	58		0.57	0.10	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Beryllium	0.44		0.23	0.050	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Cadmium	0.18		0.11	0.033	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Calcium	54000	B	110	37	mg/Kg	☼	03/17/16 08:13	03/23/16 15:42	10
Chromium	10		0.57	0.099	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Cobalt	6.6		0.29	0.065	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Copper	12		0.57	0.12	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Iron	13000	B	11	4.4	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Lead	64		0.29	0.14	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Magnesium	32000	B	57	23	mg/Kg	☼	03/17/16 08:13	03/23/16 15:42	10
Manganese	430	B	0.57	0.11	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Nickel	13		0.57	0.16	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Potassium	830		29	4.7	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Selenium	0.52	J	0.57	0.28	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Sodium	1200	B	57	7.6	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Vanadium	17		0.29	0.084	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	1
Zinc	69		1.1	0.36	mg/Kg	☼	03/17/16 08:13	03/23/16 01:09	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		03/20/16 18:00	03/21/16 22:55	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		03/20/16 18:00	03/22/16 09:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	43		19	10	ug/Kg	☼	03/19/16 15:30	03/22/16 19:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			03/15/16 12:38	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

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	04-30-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids





500-108664 COC

Report To (optional) S. Babusukumar Bill To (optional) _____
 Contact: S. Babusukumar Contact: _____
 Company: Weston Solutions Company: _____
 Address: 300 Plaza Cir, Ste 203 Address: SAME
 Address: Mundelein, IL 60060 Address: _____
 Phone: 224-864-7250 Phone: _____
 Fax: _____ Fax: _____
 E-Mail: _____ PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-108664
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: 2.5

Client		Client Project #		Preservative		Parameter		Total metals		TCLP / SPL metals		pH		Preservative Key	
<u>Weston</u>														1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		# of Containers		Matrix								Comments	
<u>IDOT 039</u>															
Project Location/State		Lab Project #		Date		Time									
<u>Wilmington, IL</u>															
Sampler		Lab PM		Sample ID											
<u>A. Turhaz</u>		<u>Dick Wright</u>													
Lab ID	MS/MSD	Sampling		# of Containers		Matrix									
		Date	Time												
<u>1</u>	<u>1</u>	<u>KR-26(0-1)-031016</u>	<u>3/10/16</u>	<u>0840</u>	<u>2</u>	<u>S</u>	<u>VOC</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>2</u>	<u>2</u>	<u>KR-27(0-1)-031016</u>	<u>3/10/16</u>	<u>0905</u>	<u>2</u>	<u>S</u>	<u>SUVE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>3</u>	<u>3</u>	<u>KR-28(0-1)-031016</u>	<u>3/10/16</u>	<u>0915</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>4</u>	<u>4</u>	<u>KR-28(0-1)-031016D</u>	<u>3/10/16</u>	<u>0915</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>5</u>	<u>5</u>	<u>UG-1(0-1)-031016</u>	<u>3/10/16</u>	<u>0930</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>6</u>	<u>6</u>	<u>KR-29(0-1)-031016</u>	<u>3/10/16</u>	<u>0945</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>7</u>	<u>7</u>	<u>KR-30(0-1)-031016</u>	<u>3/10/16</u>	<u>1000</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>8</u>	<u>8</u>	<u>KR-31(0-1)-031016</u>	<u>3/10/16</u>	<u>1010</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>9</u>	<u>9</u>	<u>KR-32(0-1)-031016</u>	<u>3/10/16</u>	<u>1022</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>10</u>	<u>10</u>	<u>KR-33(0-1)-031016</u>	<u>3/10/16</u>	<u>1036</u>	<u>2</u>	<u>S</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>Alan A. Turhaz</u>	Company: <u>Weston</u>	Date: <u>3/10/16</u>	Time: <u>1600</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/10/16</u>	Time: <u>1655</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/10/16</u>	Time: <u>1655</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPE</u>	Date: <u>3/10/16</u>	Time: <u>1655</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)

Contact: S. Babusukumar
Company: Weston Solution
Address: 300 plaza Cir, Ste 200
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)

Contact:
Company:
Address:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108664
Chain of Custody Number:
Page 1 of 4
Temperature °C of Cooler: 2.5

Client		Client Project #		Preservative		Parameter														Preservative Key	
Weston																				1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers		Matrix												Comments	
IDOT 039				Date Time		Matrix															
Project Location/State		Lab Project #		Sampler		Lab PM															
Wilmington, IL				A. Tackatz		Dick. Weigler															
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TECP/SLP/PCB	PH										
11		KR-34(0-1)-031016	3/10/16	1050	2	S	X	X	X	X	X										
12		KR-35(0-1)-031016	3/10/16	1106	2	S	X	X	X	X	X										
13		KR-36(0-1)-031016	3/10/16	1145	2	S	X	X	X	X	X										
14		KR-37(0-1)-031016	3/10/16	1153	2	S	X	X	X	X	X										
15		KR-38(0-1)-031016	3/10/16	1200	2	S	X	X	X	X	X										
16		KR-38(0-1)-031016A	3/10/16	1200	2	S	X	X	X	X	X										
17		KR-39(0-1)-031016	3/10/16	1213	2	S	X	X	X	X	X										
18		KR-40(0-1)-031016	3/10/16	1224	2	S	X	X	X	X	X										
19		KR-41(0-1)-031016	3/10/16	1230	2	S	X	X	X	X	X										
20		KR-42(0-1)-031016	3/10/16	1242	2	S	X	X	X	X	X										

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

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

Relinquished By: <u>Alan Tackatz</u> Company: <u>Weston</u> Date: <u>3/10/16</u> Time: <u>1600</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1600</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/10/16</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>3/10/16</u> Time: <u>1655</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments:

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

17000 block of IL 102 (ISGS Site No. 2946-6)

City: Wesley Township 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: 41.215438530 Longitude: -88.027650974
(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.215438530 Longitude: -88.027650974

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 AL6-1 THROUGH AL6-6, AL6-8, AND AL6-9 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-6. SEE FIGURES 3-14 AND 3-15 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108436-1.
ALSO SEE FIGURES 4-14 AND 4-15 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL6-1(0-1)-030716	AL6-2(0-1)-030716	AL6-3(0-1)-030716	AL6-4(0-1)-030716	AL6-5(0-1)-030716	AL6-6(0-1)-030716	AL6-8(0-1)-030716	AL6-9(0-1)-030716	Soil Reference Concentrations ^A
Sample Date	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	
Location ID	AL6-1	AL6-2	AL6-3	AL6-4	AL6-5	AL6-6	AL6-8	AL6-9	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-6	2946-6	2946-6	2946-6	2946-6	2946-6	2946-6	2946-6	
Parameter									
Laboratory pH (s.u.)	7.98	7.66	8.03	7.93	7.8	8.13	7.87	7.84	<6.25,>9.0
VOCs (ug/kg)	None Detected								
SVOCs (ug/kg)									
Acenaphthylene	9 J	13 J	ND	7.1 J	ND	100	5.8 J	22 J	---
Anthracene	ND	24 J	ND	ND	ND	44	ND	15 J	1.20E+07
Benzo(a)anthracene	24 J	140 J	17 J	19 J	18 J	97 J	30 J	48	900 / 1100 / 1800
Benzo(a)pyrene	27 J	150 J	30 J	35 J	32 J	190 J	42 J	61 J	90 / 1300 / 2100
Benzo(b)fluoranthene	58 J	300 J	56 J	59 J	58 J	390 J	110 J	130 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	77 J	17 J	25 J	19 J	130 J	26 J	39 J	---
Benzo(k)fluoranthene	24 J	97 J	20 J	26 J	18 J	110 J	31 J	53 J	9000
bis(2-Ethylhexyl)phthalate	78 J	99 J	97 J	100 J	90 J	110 J	ND	ND	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	120 J	ND	ND	930000
Chrysene	31 J	170 *	26 J	33 J	27 J	150 J	40 J	63	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	28 J	ND	ND	90 / 200 / 420
Fluoranthene	36 J	300	36 J	37 J	39 J	170	69	84	3100000
Fluorene	ND	11 J	ND	ND	ND	6 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	84 J	37 ND	19 J	16 J	140 J	25 J	37 J	900 / 900 / 1600
Phenanthrene	19 J	170	17 J	21 J	18 J	54	27 J	43	---
Pyrene	87 J	510 J	60 J	71 J	64 J	300 J	83	97	2300000
Total Metals (mg/kg)									
Antimony, Total	ND	ND	ND	ND	0.3 J	0.23 J	ND	ND	5
Arsenic, Total	3.7	2.9	3.9	5.2	3.2	2.5	5.2	3.7	11.3 / 13
Barium, Total	65 J-	50 J-	54 J-	81 J-	65 J-	40 J-	92 J-	90 J-	1500
Beryllium, Total	0.34	0.29	0.38	0.43	0.32	0.3	0.5	0.37	22
Cadmium, Total	0.11 J-	0.13 J-	0.083 J	0.2 J-	0.14 J-	0.19 J-	0.18 J-	0.19 J-	5.2
Calcium, Total	72000 J-	96000 J-	45000 J-	23000 J-	80000 J-	99000 J-	17000 J-	62000 J-	---
Chromium, Total	11 J-	9.6 ND	ND	ND	14 J-	11 J-	13 J-	15 J-	21
Cobalt, Total	5.7	4.4	6.3	8	5.5	4	8.3	6.6	20
Copper, Total	11 J-	11 J-	21 J-	14 J-	14 J-	14 J-	19 J-	13 J-	2900
Iron, Total	14000 J	8800 J	6900 J	12000 J	8000 J	11000 J	12000 J	9200 J	15000 / 15900
Lead, Total	23 J	30 J	33 J	62 J	66 J	120 J	65 J	95 J	107
Magnesium, Total	35000 J-	50000 J-	22000 J-	14000 J-	40000 J-	58000 J-	11000 J-	27000 J-	325000
Manganese, Total	450 J-	390 J-	290 J-	590 J-	460 J-	340 J-	620 J-	540 J-	630 / 636
Mercury, Total	0.031	0.02	0.012 J	0.051	0.026	0.026	0.048	0.039	0.89
Nickel, Total	11 B	9.2 B	14 B	15 B	10 B	9.7 B	15 B	12 B	100
Potassium, Total	780 J+	670 J+	760 J+	830 J+	880 J+	750 J+	950 J+	820 J+	---
Selenium, Total	ND	ND	0.33 J	0.3 J	0.32 J	ND	0.82 J-	0.44 J	1.3
Sodium, Total	1000 J-	780 J-	1300 J-	810 J-	680 J-	680 J-	1200 J-	710 J-	---
Vanadium, Total	15	13	17	18	13	11	20	15	550
Zinc, Total	52 J-	50 J-	75 J-	65 J-	56 J-	70 J-	76 J-	70 J-	5100

Summary Table of ISGS Site No. 2946-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL6-1(0-1)-030716	AL6-2(0-1)-030716	AL6-3(0-1)-030716	AL6-4(0-1)-030716	AL6-5(0-1)-030716	AL6-6(0-1)-030716	AL6-8(0-1)-030716	AL6-9(0-1)-030716	Soil Reference Concentrations ^A
Sample Date	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	
Location ID	AL6-1	AL6-2	AL6-3	AL6-4	AL6-5	AL6-6	AL6-8	AL6-9	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-6	2946-6	2946-6	2946-6	2946-6	2946-6	2946-6	2946-6	
Parameter									
TCLP Metals (mg/l)									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.52	0.45 J	0.34 J	0.54	0.51	0.44 J	0.51	0.51	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.53	0.42	1.9	0.21	0.68	0.99	0.27	0.47	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	0.011 J	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	0.17 J	0.8 B	0.99 B	0.85 B	0.76 B	0.45 J	0.35 J	0.22 J	5
SPLP Metals (mg/l)									
Arsenic, SPLP	0.02 J	ND	0.017 J	0.016 J	0.01 J	0.01 J	ND	ND	0.05
Barium, SPLP	0.44 J	0.26 J	0.35 J	0.4 J	0.27 J	0.18 J	0.19 J	0.27 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.079	0.041	0.083	0.061	0.046	0.037	0.035	0.047	0.1
Cobalt, SPLP	0.015 J	ND	0.019 J	0.012 J	ND	ND	ND	ND	1
Copper, SPLP	0.086	0.058	0.11	0.091	0.054	0.04	0.046	0.046	0.65
Iron, SPLP	71 J+	32 J+	73 J+	52 J+	41 J+	31 J+	30 J+	38 J+	5
Lead, SPLP	0.075	0.065	0.084	0.098	0.083	0.24	0.059	0.12	0.0075
Manganese, SPLP	0.7	0.44	0.55	0.71	0.53	0.56	0.38	0.52	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.055	0.028	0.068	0.043	0.032	0.026	0.027	0.031	0.1
Zinc, SPLP	ND	1.1 B	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.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108436-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/16/2016 3:19:58 PM

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

LINKS

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

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

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

- 1
- 2
- 3
- 4
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- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-9(0-1)-030716

Lab Sample ID: 500-108436-9

Date Collected: 03/07/16 10:47

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/08/16 16:17	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 16:17	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		03/08/16 16:17	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 16:17	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 16:17	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 16:17	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 16:17	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 16:17	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/08/16 16:17	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 16:17	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 16:17	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 16:17	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 16:17	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/08/16 16:17	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 16:17	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		03/08/16 16:17	1
1,1-Dichloroethene	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 16:17	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 16:17	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/08/16 16:17	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 16:17	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/08/16 16:17	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		03/08/16 16:17	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/08/16 16:17	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 16:17	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 16:17	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 16:17	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		03/08/16 16:17	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 16:17	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		03/08/16 16:17	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 16:17	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/08/16 16:17	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 16:17	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/08/16 16:17	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/08/16 16:17	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 16:17	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/08/16 16:17	1
Dibromofluoromethane	108		75 - 120		03/08/16 16:17	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/08/16 16:17	1
Toluene-d8 (Surr)	107		75 - 122		03/08/16 16:17	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	☼	03/09/16 14:44	03/13/16 20:04	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-9(0-1)-030716

Lab Sample ID: 500-108436-9

Date Collected: 03/07/16 10:47

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.5

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	☼	03/09/16 14:44	03/13/16 20:04	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2-Methylnaphthalene	<38 *		38	7.0	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Acenaphthylene	22 J		38	5.0	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Anthracene	15 J		38	6.3	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Benzo[a]anthracene	48		38	5.1	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Benzo[a]pyrene	61 *		38	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Benzo[b]fluoranthene	130 *		38	8.2	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Benzo[g,h,i]perylene	39 *		38	12	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Benzo[k]fluoranthene	53 *		38	11	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Carbazole	<190		190	95	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Chrysene	63		38	10	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Dibenz(a,h)anthracene	<38 *		38	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Fluoranthene	84		38	7.0	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Hexachlorobutadiene	<190 *		190	60	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-9(0-1)-030716

Lab Sample ID: 500-108436-9

Date Collected: 03/07/16 10:47

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.5

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	37	J *	38	9.8	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Isophorone	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Naphthalene	<38		38	5.8	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Phenanthrene	43		38	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Phenol	<190		190	84	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Pyrene	97		38	7.5	ug/Kg	☼	03/09/16 14:44	03/13/16 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		35 - 137				03/09/16 14:44	03/13/16 20:04	1
2-Fluorobiphenyl	68		25 - 119				03/09/16 14:44	03/13/16 20:04	1
2-Fluorophenol	74		25 - 110				03/09/16 14:44	03/13/16 20:04	1
Nitrobenzene-d5	62		25 - 115				03/09/16 14:44	03/13/16 20:04	1
Phenol-d5	74		31 - 110				03/09/16 14:44	03/13/16 20:04	1
Terphenyl-d14	111		36 - 134				03/09/16 14:44	03/13/16 20:04	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		03/11/16 15:02	03/12/16 20:58	1
Barium	0.51		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 20:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 20:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 20:58	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:58	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:58	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:58	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 20:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 20:58	1
Manganese	0.47		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:58	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 20:58	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 20:58	1
Zinc	0.22	J B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 20:58	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		03/12/16 12:27	03/13/16 13:26	1
Barium	0.27	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 13:26	1
Chromium	0.047		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:26	1
Copper	0.046		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:26	1
Iron	38		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:32	1
Lead	0.12		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 13:26	1
Manganese	0.52		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:26	1
Nickel	0.031		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 13:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-9(0-1)-030716

Lab Sample ID: 500-108436-9

Date Collected: 03/07/16 10:47

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.5

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		03/12/16 12:27	03/14/16 15:32	1
Zinc	0.27	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 13:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.91		0.91	0.19	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Arsenic	3.7		0.45	0.21	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Barium	90		0.45	0.083	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Beryllium	0.37		0.18	0.039	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Cadmium	0.19		0.091	0.026	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Calcium	62000	B	91	29	mg/Kg	☼	03/10/16 09:45	03/10/16 18:57	10
Chromium	15	B	2.3	0.078	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Cobalt	6.6		0.23	0.051	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Copper	13		0.45	0.099	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Iron	9200	B	12	4.5	mg/Kg	☼	03/11/16 15:52	03/12/16 21:35	1
Lead	95		0.23	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Magnesium	27000	B	4.5	1.8	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Manganese	540	B	0.45	0.090	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Nickel	12	B	0.45	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Potassium	820		23	3.7	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Selenium	0.44	J	0.45	0.23	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Silver	<0.23		0.23	0.053	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Sodium	710		45	6.0	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Vanadium	15		0.23	0.066	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1
Zinc	70		0.91	0.29	mg/Kg	☼	03/10/16 09:45	03/10/16 18:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/13/16 16:00	03/14/16 13:36	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		03/13/16 16:00	03/14/16 14:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	39		17	9.1	ug/Kg	☼	03/10/16 19:30	03/13/16 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.84		0.200	0.200	SU			03/09/16 16:50	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-8(0-1)-030716

Lab Sample ID: 500-108436-10

Date Collected: 03/07/16 11:02

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 78.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.9	ug/Kg	☼		03/08/16 16:46	1
Benzene	<6.4		6.4	1.4	ug/Kg	☼		03/08/16 16:46	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		03/08/16 16:46	1
Bromoform	<6.4		6.4	1.3	ug/Kg	☼		03/08/16 16:46	1
Bromomethane	<6.4		6.4	2.3	ug/Kg	☼		03/08/16 16:46	1
Carbon disulfide	<6.4		6.4	2.3	ug/Kg	☼		03/08/16 16:46	1
Carbon tetrachloride	<6.4		6.4	1.4	ug/Kg	☼		03/08/16 16:46	1
Chlorobenzene	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
Chloroethane	<6.4		6.4	2.7	ug/Kg	☼		03/08/16 16:46	1
Chloroform	<6.4		6.4	1.2	ug/Kg	☼		03/08/16 16:46	1
Chloromethane	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
cis-1,2-Dichloroethene	<6.4		6.4	1.3	ug/Kg	☼		03/08/16 16:46	1
cis-1,3-Dichloropropene	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
Dibromochloromethane	<6.4		6.4	0.73	ug/Kg	☼		03/08/16 16:46	1
1,1-Dichloroethane	<6.4		6.4	1.3	ug/Kg	☼		03/08/16 16:46	1
1,2-Dichloroethane	<6.4		6.4	0.94	ug/Kg	☼		03/08/16 16:46	1
1,1-Dichloroethene	<6.4		6.4	2.3	ug/Kg	☼		03/08/16 16:46	1
1,2-Dichloropropane	<6.4		6.4	1.7	ug/Kg	☼		03/08/16 16:46	1
1,3-Dichloropropene, Total	<6.4		6.4	1.8	ug/Kg	☼		03/08/16 16:46	1
Ethylbenzene	<6.4		6.4	1.6	ug/Kg	☼		03/08/16 16:46	1
2-Hexanone	<6.4		6.4	2.0	ug/Kg	☼		03/08/16 16:46	1
Methylene Chloride	<6.4		6.4	4.8	ug/Kg	☼		03/08/16 16:46	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		03/08/16 16:46	1
methyl isobutyl ketone	<6.4		6.4	1.3	ug/Kg	☼		03/08/16 16:46	1
Methyl tert-butyl ether	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
Styrene	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.0	ug/Kg	☼		03/08/16 16:46	1
Tetrachloroethene	<6.4		6.4	1.3	ug/Kg	☼		03/08/16 16:46	1
Toluene	<6.4		6.4	2.2	ug/Kg	☼		03/08/16 16:46	1
trans-1,2-Dichloroethene	<6.4		6.4	1.6	ug/Kg	☼		03/08/16 16:46	1
trans-1,3-Dichloropropene	<6.4		6.4	1.8	ug/Kg	☼		03/08/16 16:46	1
1,1,1-Trichloroethane	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
1,1,2-Trichloroethane	<6.4		6.4	1.2	ug/Kg	☼		03/08/16 16:46	1
Trichloroethene	<6.4		6.4	1.7	ug/Kg	☼		03/08/16 16:46	1
Vinyl chloride	<6.4		6.4	1.5	ug/Kg	☼		03/08/16 16:46	1
Xylenes, Total	<13		13	2.4	ug/Kg	☼		03/08/16 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/08/16 16:46	1
Dibromofluoromethane	107		75 - 120		03/08/16 16:46	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134		03/08/16 16:46	1
Toluene-d8 (Surr)	105		75 - 122		03/08/16 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-8(0-1)-030716

Lab Sample ID: 500-108436-10

Date Collected: 03/07/16 11:02

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	96	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2-Methylnaphthalene	<42 *		42	7.7	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2-Methylphenol	<210		210	67	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Acenaphthylene	5.8 J		42	5.5	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Anthracene	<42		42	7.0	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Benzo[a]anthracene	30 J		42	5.7	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Benzo[a]pyrene	42 *		42	8.1	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Benzo[b]fluoranthene	110 *		42	9.1	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Benzo[g,h,i]perylene	26 J *		42	14	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Benzo[k]fluoranthene	31 J *		42	12	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Carbazole	<210		210	110	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Chrysene	40 J		42	11	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Dibenz(a,h)anthracene	<42 *		42	8.1	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Dibenzofuran	<210		210	49	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Fluoranthene	69		42	7.8	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Fluorene	<42		42	5.9	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Hexachlorobenzene	<85		85	9.7	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Hexachlorobutadiene	<210 *		210	66	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Hexachloroethane	<210		210	64	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-8(0-1)-030716

Lab Sample ID: 500-108436-10

Date Collected: 03/07/16 11:02

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 78.4

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	25	J *	42	11	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Isophorone	<210		210	47	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Naphthalene	<42		42	6.5	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Nitrobenzene	<42		42	10	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
N-Nitrosodi-n-propylamine	<85		85	51	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Pentachlorophenol	<850		850	670	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Phenanthrene	27	J	42	5.9	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Phenol	<210		210	93	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Pyrene	83		42	8.4	ug/Kg	☼	03/09/16 14:44	03/13/16 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137				03/09/16 14:44	03/13/16 20:33	1
2-Fluorobiphenyl	60		25 - 119				03/09/16 14:44	03/13/16 20:33	1
2-Fluorophenol	65		25 - 110				03/09/16 14:44	03/13/16 20:33	1
Nitrobenzene-d5	55		25 - 115				03/09/16 14:44	03/13/16 20:33	1
Phenol-d5	61		31 - 110				03/09/16 14:44	03/13/16 20:33	1
Terphenyl-d14	105		36 - 134				03/09/16 14:44	03/13/16 20:33	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		03/11/16 15:02	03/12/16 21:32	1
Barium	0.51		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 21:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 21:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 21:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:32	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:32	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 21:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 21:32	1
Manganese	0.27		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 21:32	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:32	1
Zinc	0.35	J B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 21:32	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		03/12/16 12:27	03/13/16 13:32	1
Barium	0.19	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 13:32	1
Chromium	0.035		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:32	1
Copper	0.046		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:32	1
Iron	30		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:36	1
Lead	0.059		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 13:32	1
Manganese	0.38		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:32	1
Nickel	0.027		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 13:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-8(0-1)-030716

Lab Sample ID: 500-108436-10

Date Collected: 03/07/16 11:02

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 78.4

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		03/12/16 12:27	03/14/16 15:36	1
Zinc	0.18	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 13:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Arsenic	5.2		0.56	0.26	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Barium	92		0.56	0.10	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Beryllium	0.50		0.22	0.048	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Cadmium	0.18		0.11	0.032	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Calcium	17000	B	11	3.6	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Chromium	13	B	2.8	0.096	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Cobalt	8.3		0.28	0.063	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Copper	19		0.56	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Iron	12000	B	13	4.9	mg/Kg	☼	03/11/16 15:52	03/12/16 21:40	1
Lead	65		0.28	0.14	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Magnesium	11000	B	5.6	2.3	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Manganese	620	B	0.56	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Nickel	15	B	0.56	0.15	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Potassium	950		28	4.5	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Selenium	0.82		0.56	0.28	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Sodium	1200		56	7.3	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Vanadium	20		0.28	0.081	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	1
Zinc	76		1.1	0.35	mg/Kg	☼	03/10/16 09:45	03/10/16 18:51	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		03/13/16 16:00	03/14/16 13:38	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		03/13/16 16:00	03/14/16 14:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	48		21	11	ug/Kg	☼	03/10/16 19:30	03/13/16 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.87		0.200	0.200	SU			03/09/16 16:54	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-6(0-1)-030716

Lab Sample ID: 500-108436-13

Date Collected: 03/07/16 11:35

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/08/16 18:05	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 18:05	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/08/16 18:05	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 18:05	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 18:05	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 18:05	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/08/16 18:05	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
Dibromochloromethane	<6.0		6.0	0.68	ug/Kg	☼		03/08/16 18:05	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		03/08/16 18:05	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 18:05	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 18:05	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 18:05	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 18:05	1
2-Hexanone	<6.0		6.0	1.8	ug/Kg	☼		03/08/16 18:05	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/08/16 18:05	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 18:05	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/08/16 18:05	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 18:05	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 18:05	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 18:05	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 18:05	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 18:05	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 18:05	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/08/16 18:05	1
Dibromofluoromethane	108		75 - 120		03/08/16 18:05	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/08/16 18:05	1
Toluene-d8 (Surr)	107		75 - 122		03/08/16 18:05	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	☼	03/09/16 14:44	03/13/16 21:59	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-6(0-1)-030716

Lab Sample ID: 500-108436-13

Date Collected: 03/07/16 11:35

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2-Methylnaphthalene	<37 *		37	6.8	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Acenaphthylene	100		37	4.9	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Anthracene	44		37	6.2	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Benzo[a]anthracene	97 *		37	5.0	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Benzo[a]pyrene	190 *		37	7.2	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Benzo[b]fluoranthene	390 *		37	8.0	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Benzo[g,h,i]perylene	130 *		37	12	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Benzo[k]fluoranthene	110 *		37	11	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Bis(2-ethylhexyl) phthalate	110 J *		190	68	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Butyl benzyl phthalate	120 J *		190	71	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Carbazole	<190		190	93	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Chrysene	150 *		37	10	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Dibenz(a,h)anthracene	28 J *		37	7.2	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Fluoranthene	170		37	6.9	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Fluorene	6.0 J		37	5.2	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Hexachlorobutadiene	<190 *		190	59	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-6(0-1)-030716

Lab Sample ID: 500-108436-13

Date Collected: 03/07/16 11:35

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	140	*	37	9.7	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Isophorone	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Phenanthrene	54		37	5.2	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Phenol	<190		190	83	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Pyrene	300	*	37	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		35 - 137				03/09/16 14:44	03/13/16 21:59	1
2-Fluorobiphenyl	73		25 - 119				03/09/16 14:44	03/13/16 21:59	1
2-Fluorophenol	84		25 - 110				03/09/16 14:44	03/13/16 21:59	1
Nitrobenzene-d5	68		25 - 115				03/09/16 14:44	03/13/16 21:59	1
Phenol-d5	79		31 - 110				03/09/16 14:44	03/13/16 21:59	1
Terphenyl-d14	154	X *	36 - 134				03/09/16 14:44	03/13/16 21:59	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		03/11/16 15:02	03/12/16 21:52	1
Barium	0.44	J	0.50	0.050	mg/L		03/11/16 15:02	03/12/16 21:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 21:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 21:52	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:52	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:52	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:52	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 21:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 21:52	1
Manganese	0.99		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:52	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:52	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 21:52	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:52	1
Zinc	0.45	J B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 13:53	1
Barium	0.18	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 15:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 15:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 13:53	1
Chromium	0.037		0.025	0.010	mg/L		03/12/16 12:27	03/14/16 15:57	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:53	1
Copper	0.040		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:53	1
Iron	31		0.40	0.20	mg/L		03/12/16 12:27	03/14/16 15:57	1
Lead	0.24		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 13:53	1
Manganese	0.56		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:53	1
Nickel	0.026		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 13:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 13:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-6(0-1)-030716

Lab Sample ID: 500-108436-13

Date Collected: 03/07/16 11:35

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 84.0

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		03/12/16 12:27	03/14/16 15:57	1
Zinc	0.20	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 13:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J	0.97	0.20	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Arsenic	2.5		0.48	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Barium	40		0.48	0.089	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Beryllium	0.30		0.19	0.042	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Cadmium	0.19		0.097	0.028	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Calcium	99000	B	97	31	mg/Kg	☼	03/10/16 09:45	03/10/16 19:13	10
Chromium	11	B	2.8	0.098	mg/Kg	☼	03/11/16 15:52	03/12/16 22:03	1
Cobalt	4.0		0.24	0.055	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Copper	14		0.48	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Iron	11000	B	11	4.4	mg/Kg	☼	03/11/16 15:52	03/12/16 22:03	1
Lead	120		0.24	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Magnesium	58000	B	48	20	mg/Kg	☼	03/10/16 09:45	03/10/16 19:13	10
Manganese	340	B	0.48	0.096	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Nickel	9.7	B	0.48	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Potassium	750		24	4.0	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Selenium	<0.48		0.48	0.24	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Silver	<0.24		0.24	0.057	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Sodium	680		48	6.4	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Vanadium	11		0.24	0.071	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1
Zinc	70		0.97	0.31	mg/Kg	☼	03/10/16 09:45	03/10/16 19:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/13/16 16:00	03/14/16 13:44	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		03/13/16 16:00	03/14/16 14:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		18	9.3	ug/Kg	☼	03/10/16 19:30	03/13/16 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.13		0.200	0.200	SU			03/09/16 17:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-5(0-1)-030716

Lab Sample ID: 500-108436-14

Date Collected: 03/07/16 11:51

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/08/16 18:31	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 18:31	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/08/16 18:31	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 18:31	1
Bromomethane	<6.1		6.1	2.3	ug/Kg	☼		03/08/16 18:31	1
Carbon disulfide	<6.1		6.1	2.3	ug/Kg	☼		03/08/16 18:31	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 18:31	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 18:31	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		03/08/16 18:31	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 18:31	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 18:31	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 18:31	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 18:31	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/08/16 18:31	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 18:31	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		03/08/16 18:31	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/08/16 18:31	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/08/16 18:31	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/08/16 18:31	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 18:31	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/08/16 18:31	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/08/16 18:31	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/08/16 18:31	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 18:31	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 18:31	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 18:31	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.97	ug/Kg	☼		03/08/16 18:31	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/08/16 18:31	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/08/16 18:31	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 18:31	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/08/16 18:31	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/08/16 18:31	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/08/16 18:31	1
Trichloroethene	<6.1		6.1	1.7	ug/Kg	☼		03/08/16 18:31	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		03/08/16 18:31	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		03/08/16 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/08/16 18:31	1
Dibromofluoromethane	109		75 - 120		03/08/16 18:31	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/08/16 18:31	1
Toluene-d8 (Surr)	106		75 - 122		03/08/16 18:31	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	☼	03/09/16 14:44	03/13/16 22:28	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-5(0-1)-030716

Lab Sample ID: 500-108436-14

Date Collected: 03/07/16 11:51

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.7

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	92	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2-Methylnaphthalene	<40 *		40	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2-Methylphenol	<200		200	65	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
3,3'-Dichlorobenzidine	<200 *		200	56	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Anthracene	<40		40	6.7	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Benzo[a]anthracene	18	J *	40	5.4	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Benzo[a]pyrene	32	J *	40	7.8	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Benzo[b]fluoranthene	58	*	40	8.7	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Benzo[g,h,i]perylene	19	J *	40	13	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Benzo[k]fluoranthene	18	J *	40	12	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Bis(2-ethylhexyl) phthalate	90	J *	200	73	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Butyl benzyl phthalate	<200 *		200	77	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Carbazole	<200		200	100	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Chrysene	27	J *	40	11	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Dibenz(a,h)anthracene	<40 *		40	7.8	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Dibenzofuran	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Fluoranthene	39	J	40	7.5	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Fluorene	<40		40	5.7	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Hexachlorobutadiene	<200 *		200	63	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Hexachloroethane	<200		200	61	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-5(0-1)-030716

Lab Sample ID: 500-108436-14

Date Collected: 03/07/16 11:51

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.7

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	16	J *	40	10	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Isophorone	<200		200	45	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Naphthalene	<40		40	6.2	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Nitrobenzene	<40		40	10	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Phenanthrene	18	J	40	5.6	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Phenol	<200		200	89	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Pyrene	64	*	40	8.0	ug/Kg	☼	03/09/16 14:44	03/13/16 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137				03/09/16 14:44	03/13/16 22:28	1
2-Fluorobiphenyl	65		25 - 119				03/09/16 14:44	03/13/16 22:28	1
2-Fluorophenol	71		25 - 110				03/09/16 14:44	03/13/16 22:28	1
Nitrobenzene-d5	57		25 - 115				03/09/16 14:44	03/13/16 22:28	1
Phenol-d5	69		31 - 110				03/09/16 14:44	03/13/16 22:28	1
Terphenyl-d14	138	X *	36 - 134				03/09/16 14:44	03/13/16 22:28	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		03/11/16 15:02	03/12/16 21:59	1
Barium	0.51		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 21:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 21:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 21:59	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:59	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:59	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:59	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 21:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 21:59	1
Manganese	0.68		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:59	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 21:59	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 21:59	1
Zinc	0.76	B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 14:16	1
Barium	0.27	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 16:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 16:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 14:16	1
Chromium	0.046		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:16	1
Copper	0.054		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:16	1
Iron	41		0.40	0.20	mg/L		03/12/16 12:27	03/13/16 14:16	1
Lead	0.083		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 14:16	1
Manganese	0.53		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:16	1
Nickel	0.032		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 14:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-5(0-1)-030716

Lab Sample ID: 500-108436-14

Date Collected: 03/07/16 11:51

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.7

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		03/12/16 12:27	03/14/16 16:01	1
Zinc	0.25	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 14:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	0.95	0.20	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Arsenic	3.2		0.48	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Barium	65		0.48	0.087	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Beryllium	0.32		0.19	0.041	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Cadmium	0.14		0.095	0.028	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Calcium	80000	B	95	31	mg/Kg	☼	03/10/16 09:45	03/10/16 19:17	10
Chromium	14	B	2.4	0.082	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Cobalt	5.5		0.24	0.054	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Copper	14		0.48	0.10	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Iron	8000	B	12	4.6	mg/Kg	☼	03/11/16 15:52	03/12/16 22:08	1
Lead	66		0.24	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Magnesium	40000	B	4.8	1.9	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Manganese	460	B	0.48	0.094	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Nickel	10	B	0.48	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Potassium	880		24	3.9	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Selenium	0.32	J	0.48	0.24	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Sodium	680		48	6.3	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Thallium	<0.48		0.48	0.23	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Vanadium	13		0.24	0.070	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	1
Zinc	56		0.95	0.30	mg/Kg	☼	03/10/16 09:45	03/10/16 19:12	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		03/13/16 16:00	03/14/16 13:46	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		03/13/16 16:00	03/14/16 14:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		18	9.2	ug/Kg	☼	03/10/16 19:30	03/13/16 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.80		0.200	0.200	SU			03/09/16 17:10	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-4(0-1)-030716

Lab Sample ID: 500-108436-15

Date Collected: 03/07/16 12:04

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		03/08/16 18:57	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		03/08/16 18:57	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		03/08/16 18:57	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		03/08/16 18:57	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼		03/08/16 18:57	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		03/08/16 18:57	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		03/08/16 18:57	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		03/08/16 18:57	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		03/08/16 18:57	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		03/08/16 18:57	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		03/08/16 18:57	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		03/08/16 18:57	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		03/08/16 18:57	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		03/08/16 18:57	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		03/08/16 18:57	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		03/08/16 18:57	1
1,1-Dichloroethene	<6.2		6.2	2.2	ug/Kg	☼		03/08/16 18:57	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		03/08/16 18:57	1
1,3-Dichloropropene, Total	<6.2		6.2	1.7	ug/Kg	☼		03/08/16 18:57	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		03/08/16 18:57	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		03/08/16 18:57	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		03/08/16 18:57	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		03/08/16 18:57	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		03/08/16 18:57	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		03/08/16 18:57	1
Styrene	<6.2		6.2	1.4	ug/Kg	☼		03/08/16 18:57	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.98	ug/Kg	☼		03/08/16 18:57	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		03/08/16 18:57	1
Toluene	<6.2		6.2	2.1	ug/Kg	☼		03/08/16 18:57	1
trans-1,2-Dichloroethene	<6.2		6.2	1.5	ug/Kg	☼		03/08/16 18:57	1
trans-1,3-Dichloropropene	<6.2		6.2	1.7	ug/Kg	☼		03/08/16 18:57	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		03/08/16 18:57	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		03/08/16 18:57	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		03/08/16 18:57	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		03/08/16 18:57	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		03/08/16 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/08/16 18:57	1
Dibromofluoromethane	109		75 - 120		03/08/16 18:57	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134		03/08/16 18:57	1
Toluene-d8 (Surr)	106		75 - 122		03/08/16 18:57	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	44	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-4(0-1)-030716

Lab Sample ID: 500-108436-15

Date Collected: 03/07/16 12:04

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.3

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	93	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,4-Dichlorophenol	<400		400	97	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2-Methylnaphthalene	<40	*	40	7.5	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2-Methylphenol	<200		200	65	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
3,3'-Dichlorobenzidine	<200	*	200	57	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Acenaphthylene	7.1	J	40	5.4	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Anthracene	<40		40	6.8	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Benzo[a]anthracene	19	J*	40	5.5	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Benzo[a]pyrene	35	J*	40	7.9	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Benzo[b]fluoranthene	59	*	40	8.8	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Benzo[g,h,i]perylene	25	J*	40	13	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Benzo[k]fluoranthene	26	J*	40	12	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Bis(2-ethylhexyl) phthalate	100	J*	200	74	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Butyl benzyl phthalate	<200	*	200	77	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Carbazole	<200		200	100	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Chrysene	33	J*	40	11	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Dibenz(a,h)anthracene	<40	*	40	7.9	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Dibenzofuran	<200		200	48	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Fluoranthene	37	J	40	7.5	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Fluorene	<40		40	5.7	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Hexachlorobutadiene	<200	*	200	64	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Hexachloroethane	<200		200	62	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-4(0-1)-030716

Lab Sample ID: 500-108436-15

Date Collected: 03/07/16 12:04

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.3

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	19	J *	40	11	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Isophorone	<200		200	46	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Naphthalene	<40		40	6.3	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Nitrobenzene	<40		40	10	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Phenanthrene	21	J	40	5.7	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Phenol	<200		200	90	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Pyrene	71	*	40	8.1	ug/Kg	☼	03/09/16 14:44	03/13/16 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	67		35 - 137				03/09/16 14:44	03/13/16 22:57	1
<i>2-Fluorobiphenyl</i>	67		25 - 119				03/09/16 14:44	03/13/16 22:57	1
<i>2-Fluorophenol</i>	68		25 - 110				03/09/16 14:44	03/13/16 22:57	1
<i>Nitrobenzene-d5</i>	58		25 - 115				03/09/16 14:44	03/13/16 22:57	1
<i>Phenol-d5</i>	68		31 - 110				03/09/16 14:44	03/13/16 22:57	1
<i>Terphenyl-d14</i>	153	X *	36 - 134				03/09/16 14:44	03/13/16 22:57	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		03/11/16 15:02	03/12/16 22:06	1
Barium	0.54		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 22:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:06	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:06	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 22:06	1
Manganese	0.21		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 22:06	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:06	1
Zinc	0.85	B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 14:22	1
Barium	0.40	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 16:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 16:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 14:22	1
Chromium	0.061		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:22	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:22	1
Copper	0.091		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:22	1
Iron	52		0.40	0.20	mg/L		03/12/16 12:27	03/13/16 14:22	1
Lead	0.098		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 14:22	1
Manganese	0.71		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:22	1
Nickel	0.043		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 14:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-4(0-1)-030716

Lab Sample ID: 500-108436-15

Date Collected: 03/07/16 12:04

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 81.3

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		03/12/16 12:27	03/14/16 16:05	1
Zinc	0.30	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 14:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.90		0.90	0.19	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Arsenic	5.2		0.45	0.21	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Barium	81		0.45	0.083	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Beryllium	0.43		0.18	0.039	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Cadmium	0.20		0.090	0.026	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Calcium	23000	B	9.0	2.9	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Chromium	11	B	2.3	0.078	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Cobalt	8.0		0.23	0.051	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Copper	14		0.45	0.098	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Iron	12000	B	12	4.6	mg/Kg	☼	03/11/16 15:52	03/12/16 22:13	1
Lead	62		0.23	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Magnesium	14000	B	4.5	1.8	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Manganese	590	B	0.45	0.089	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Nickel	15	B	0.45	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Potassium	830		23	3.7	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Selenium	0.30	J	0.45	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Silver	<0.23		0.23	0.053	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Sodium	810		45	6.0	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Vanadium	18		0.23	0.066	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	1
Zinc	65		0.90	0.29	mg/Kg	☼	03/10/16 09:45	03/10/16 19:25	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		03/13/16 16:00	03/14/16 13:48	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		03/13/16 16:00	03/14/16 14:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	51		20	11	ug/Kg	☼	03/10/16 19:30	03/13/16 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.93		0.200	0.200	SU			03/09/16 17:14	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-3(0-1)-030716

Lab Sample ID: 500-108436-16

Date Collected: 03/07/16 13:19

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/08/16 19:23	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 19:23	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		03/08/16 19:23	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 19:23	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 19:23	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 19:23	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 19:23	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 19:23	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/08/16 19:23	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/08/16 19:23	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 19:23	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 19:23	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 19:23	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/08/16 19:23	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 19:23	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/08/16 19:23	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/08/16 19:23	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 19:23	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/08/16 19:23	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 19:23	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/08/16 19:23	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		03/08/16 19:23	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/08/16 19:23	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 19:23	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 19:23	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 19:23	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		03/08/16 19:23	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 19:23	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		03/08/16 19:23	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 19:23	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/08/16 19:23	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 19:23	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/08/16 19:23	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/08/16 19:23	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 19:23	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/08/16 19:23	1
Dibromofluoromethane	109		75 - 120		03/08/16 19:23	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		03/08/16 19:23	1
Toluene-d8 (Surr)	107		75 - 122		03/08/16 19:23	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	41	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-3(0-1)-030716

Lab Sample ID: 500-108436-16

Date Collected: 03/07/16 13:19

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.1

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	☼	03/09/16 14:44	03/13/16 23:26	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2-Methylnaphthalene	<37 *		37	6.9	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Anthracene	<37		37	6.3	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Benzo[a]anthracene	17	J *	37	5.1	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Benzo[a]pyrene	30	J *	37	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Benzo[b]fluoranthene	56	*	37	8.1	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Benzo[g,h,i]perylene	17	J *	37	12	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Benzo[k]fluoranthene	20	J *	37	11	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Bis(2-ethylhexyl) phthalate	97	J *	190	69	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Butyl benzyl phthalate	<190 *		190	72	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Carbazole	<190		190	94	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Chrysene	26	J *	37	10	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Fluoranthene	36	J	37	7.0	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Hexachlorobutadiene	<190 *		190	59	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-3(0-1)-030716

Lab Sample ID: 500-108436-16

Date Collected: 03/07/16 13:19

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.1

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	<37	*	37	9.8	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Isophorone	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Phenanthrene	17	J	37	5.3	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Phenol	<190		190	84	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Pyrene	60	*	37	7.5	ug/Kg	☼	03/09/16 14:44	03/13/16 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		35 - 137				03/09/16 14:44	03/13/16 23:26	1
2-Fluorobiphenyl	57		25 - 119				03/09/16 14:44	03/13/16 23:26	1
2-Fluorophenol	60		25 - 110				03/09/16 14:44	03/13/16 23:26	1
Nitrobenzene-d5	49		25 - 115				03/09/16 14:44	03/13/16 23:26	1
Phenol-d5	62		31 - 110				03/09/16 14:44	03/13/16 23:26	1
Terphenyl-d14	144	X *	36 - 134				03/09/16 14:44	03/13/16 23:26	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		03/11/16 15:02	03/12/16 22:12	1
Barium	0.34	J	0.50	0.050	mg/L		03/11/16 15:02	03/12/16 22:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 22:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 22:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:12	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:12	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:12	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 22:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 22:12	1
Manganese	1.9		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:12	1
Nickel	0.011	J	0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 22:12	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:12	1
Zinc	0.99	B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 14:29	1
Barium	0.35	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 14:29	1
Chromium	0.083		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:29	1
Cobalt	0.019	J	0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:29	1
Copper	0.11		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:29	1
Iron	73		0.40	0.20	mg/L		03/12/16 12:27	03/13/16 14:29	1
Lead	0.084		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 14:29	1
Manganese	0.55		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:29	1
Nickel	0.068		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 14:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-3(0-1)-030716

Lab Sample ID: 500-108436-16

Date Collected: 03/07/16 13:19

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.1

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		03/12/16 12:27	03/14/16 16:09	1
Zinc	0.34	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 14:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.96		0.96	0.20	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Arsenic	3.9		0.48	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Barium	54		0.48	0.087	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Beryllium	0.38		0.19	0.041	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Cadmium	0.083	J	0.096	0.028	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Calcium	45000	B	96	31	mg/Kg	☼	03/10/16 09:45	03/10/16 19:26	10
Chromium	11	B	2.4	0.082	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Cobalt	6.3		0.24	0.054	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Copper	21		0.48	0.10	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Iron	6900	B	11	4.4	mg/Kg	☼	03/11/16 15:52	03/12/16 22:18	1
Lead	33		0.24	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Magnesium	22000	B	4.8	1.9	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Manganese	290	B	0.48	0.095	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Nickel	14	B	0.48	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Potassium	760		24	3.9	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Selenium	0.33	J	0.48	0.24	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Sodium	1300		48	6.3	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Thallium	<0.48		0.48	0.23	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Vanadium	17		0.24	0.070	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	1
Zinc	75		0.96	0.30	mg/Kg	☼	03/10/16 09:45	03/10/16 19:30	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		03/13/16 16:00	03/14/16 13:54	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		03/13/16 16:00	03/14/16 14:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	18	9.3	ug/Kg	☼	03/10/16 19:30	03/13/16 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.03		0.200	0.200	SU			03/09/16 17:18	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-2(0-1)-030716

Lab Sample ID: 500-108436-17

Date Collected: 03/07/16 13:29

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/08/16 21:45	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 21:45	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/08/16 21:45	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 21:45	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 21:45	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/08/16 21:45	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/08/16 21:45	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/08/16 21:45	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/08/16 21:45	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/08/16 21:45	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 21:45	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 21:45	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 21:45	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/08/16 21:45	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/08/16 21:45	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 21:45	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/08/16 21:45	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/08/16 21:45	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/08/16 21:45	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/08/16 21:45	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/08/16 21:45	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/08/16 21:45	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/08/16 21:45	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/08/16 21:45	1
Dibromofluoromethane	109		75 - 120		03/08/16 21:45	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/08/16 21:45	1
Toluene-d8 (Surr)	106		75 - 122		03/08/16 21:45	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	☼	03/09/16 14:44	03/13/16 23:55	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-2(0-1)-030716

Lab Sample ID: 500-108436-17

Date Collected: 03/07/16 13:29

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

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	88	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2-Methylnaphthalene	<38 *		38	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
3,3'-Dichlorobenzidine	<190 *		190	54	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Acenaphthene	10 J		38	6.9	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Acenaphthylene	13 J		38	5.1	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Anthracene	24 J		38	6.4	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Benzo[a]anthracene	140 *		38	5.2	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Benzo[a]pyrene	150 *		38	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Benzo[b]fluoranthene	300 *		38	8.3	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Benzo[g,h,i]perylene	77 *		38	12	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Benzo[k]fluoranthene	97 *		38	11	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Bis(2-ethylhexyl) phthalate	99 J *		190	70	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Butyl benzyl phthalate	<190 *		190	73	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Carbazole	<190		190	96	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Chrysene	170 *		38	10	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Fluoranthene	300		38	7.1	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Fluorene	11 J		38	5.4	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Hexachlorobutadiene	<190 *		190	60	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-2(0-1)-030716

Lab Sample ID: 500-108436-17

Date Collected: 03/07/16 13:29

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

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	84	*	38	10	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Isophorone	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Phenanthrene	170		38	5.4	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Phenol	<190		190	85	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Pyrene	510	*	38	7.6	ug/Kg	☼	03/09/16 14:44	03/13/16 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		35 - 137				03/09/16 14:44	03/13/16 23:55	1
2-Fluorobiphenyl	61		25 - 119				03/09/16 14:44	03/13/16 23:55	1
2-Fluorophenol	64		25 - 110				03/09/16 14:44	03/13/16 23:55	1
Nitrobenzene-d5	52		25 - 115				03/09/16 14:44	03/13/16 23:55	1
Phenol-d5	62		31 - 110				03/09/16 14:44	03/13/16 23:55	1
Terphenyl-d14	143	X *	36 - 134				03/09/16 14:44	03/13/16 23:55	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		03/11/16 15:02	03/12/16 22:19	1
Barium	0.45	J	0.50	0.050	mg/L		03/11/16 15:02	03/12/16 22:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 22:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:19	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:19	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 22:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 22:19	1
Manganese	0.42		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:19	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 22:19	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:19	1
Zinc	0.80	B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 22:19	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		03/12/16 12:27	03/13/16 14:36	1
Barium	0.26	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 16:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 16:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 14:36	1
Chromium	0.041		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:36	1
Copper	0.058		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:36	1
Iron	32		0.40	0.20	mg/L		03/12/16 12:27	03/13/16 14:36	1
Lead	0.065		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 14:36	1
Manganese	0.44		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:36	1
Nickel	0.028		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 14:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-2(0-1)-030716

Lab Sample ID: 500-108436-17

Date Collected: 03/07/16 13:29

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

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		03/12/16 12:27	03/14/16 16:13	1
Zinc	1.1	B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 14:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Arsenic	2.9		0.51	0.24	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Barium	50		0.51	0.094	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Beryllium	0.29		0.21	0.045	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Cadmium	0.13		0.10	0.030	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Calcium	96000	B	100	33	mg/Kg	☼	03/10/16 09:45	03/10/16 19:37	10
Chromium	9.6	B	2.6	0.089	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Cobalt	4.4		0.26	0.058	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Copper	11		0.51	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Iron	8800	B	11	4.4	mg/Kg	☼	03/11/16 15:52	03/12/16 22:23	1
Lead	30		0.26	0.13	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Magnesium	50000	B	5.1	2.1	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Manganese	390	B	0.51	0.10	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Nickel	9.2	B	0.51	0.14	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Potassium	670		26	4.2	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Sodium	780		51	6.8	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Vanadium	13		0.26	0.075	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	1
Zinc	50		1.0	0.33	mg/Kg	☼	03/10/16 09:45	03/10/16 19:35	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		03/13/16 16:00	03/14/16 13:56	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		03/13/16 16:00	03/14/16 14:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		17	9.1	ug/Kg	☼	03/10/16 19:30	03/13/16 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.66		0.200	0.200	SU			03/09/16 17:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-1(0-1)-030716

Lab Sample ID: 500-108436-18

Date Collected: 03/07/16 13:46

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/08/16 22:11	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 22:11	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		03/08/16 22:11	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 22:11	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 22:11	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/08/16 22:11	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 22:11	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 22:11	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/08/16 22:11	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/08/16 22:11	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 22:11	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 22:11	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/08/16 22:11	1
Dibromochloromethane	<5.9		5.9	0.67	ug/Kg	☼		03/08/16 22:11	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 22:11	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/08/16 22:11	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/08/16 22:11	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 22:11	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/08/16 22:11	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 22:11	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/08/16 22:11	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		03/08/16 22:11	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/08/16 22:11	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 22:11	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 22:11	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 22:11	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		03/08/16 22:11	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/08/16 22:11	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		03/08/16 22:11	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/08/16 22:11	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/08/16 22:11	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 22:11	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/08/16 22:11	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/08/16 22:11	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/08/16 22:11	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/08/16 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/08/16 22:11	1
Dibromofluoromethane	109		75 - 120		03/08/16 22:11	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/08/16 22:11	1
Toluene-d8 (Surr)	105		75 - 122		03/08/16 22:11	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	42	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-1(0-1)-030716

Lab Sample ID: 500-108436-18

Date Collected: 03/07/16 13:46

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.4

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	88	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2-Methylnaphthalene	<38 *		38	7.1	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
3,3'-Dichlorobenzidine	<190 *		190	54	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Acenaphthylene	9.0 J		38	5.1	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Anthracene	<38		38	6.5	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Benzo[a]anthracene	24 J *		38	5.2	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Benzo[a]pyrene	27 J *		38	7.5	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Benzo[b]fluoranthene	58 *		38	8.3	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Benzo[g,h,i]perylene	<38 *		38	12	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Benzo[k]fluoranthene	24 J *		38	11	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Bis(2-ethylhexyl) phthalate	78 J *		190	71	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Butyl benzyl phthalate	<190 *		190	74	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Carbazole	<190		190	97	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Chrysene	31 J *		38	11	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Dibenz(a,h)anthracene	<38 *		38	7.5	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Fluoranthene	36 J		38	7.2	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Hexachlorobutadiene	<190 *		190	61	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Hexachloroethane	<190		190	59	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-1(0-1)-030716

Lab Sample ID: 500-108436-18

Date Collected: 03/07/16 13:46

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.4

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	<38	*	38	10	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Isophorone	<190		190	43	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Phenanthrene	19	J	38	5.4	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Phenol	<190		190	86	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1
Pyrene	87	*	38	7.7	ug/Kg	☼	03/09/16 14:44	03/11/16 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	52		35 - 137	03/09/16 14:44	03/11/16 13:55	1
2-Fluorobiphenyl	76		25 - 119	03/09/16 14:44	03/11/16 13:55	1
2-Fluorophenol	69		25 - 110	03/09/16 14:44	03/11/16 13:55	1
Nitrobenzene-d5	73		25 - 115	03/09/16 14:44	03/11/16 13:55	1
Phenol-d5	67		31 - 110	03/09/16 14:44	03/11/16 13:55	1
Terphenyl-d14	157	X *	36 - 134	03/09/16 14:44	03/11/16 13:55	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		03/11/16 15:02	03/12/16 22:26	1
Barium	0.52		0.50	0.050	mg/L		03/11/16 15:02	03/12/16 22:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 15:02	03/12/16 22:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 15:02	03/12/16 22:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:26	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:26	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 15:02	03/12/16 22:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 15:02	03/12/16 22:26	1
Manganese	0.53		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:26	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 15:02	03/12/16 22:26	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 15:02	03/12/16 22:26	1
Zinc	0.17	J B	0.50	0.020	mg/L		03/11/16 15:02	03/12/16 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		03/12/16 12:27	03/13/16 14:43	1
Barium	0.44	J	0.50	0.050	mg/L		03/12/16 12:27	03/14/16 16:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:27	03/14/16 16:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:27	03/13/16 14:43	1
Chromium	0.079		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:43	1
Cobalt	0.015	J	0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:43	1
Copper	0.086		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:43	1
Iron	71		0.40	0.20	mg/L		03/12/16 12:27	03/13/16 14:43	1
Lead	0.075		0.0075	0.0075	mg/L		03/12/16 12:27	03/13/16 14:43	1
Manganese	0.70		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:43	1
Nickel	0.055		0.025	0.010	mg/L		03/12/16 12:27	03/13/16 14:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:27	03/13/16 14:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Client Sample ID: AL6-1(0-1)-030716

Lab Sample ID: 500-108436-18

Date Collected: 03/07/16 13:46

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 85.4

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		03/12/16 12:27	03/14/16 16:17	1
Zinc	0.35	J B	0.50	0.020	mg/L		03/12/16 12:27	03/13/16 14:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.88		0.88	0.18	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Arsenic	3.7		0.44	0.20	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Barium	65		0.44	0.081	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Beryllium	0.34		0.18	0.038	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Cadmium	0.11		0.088	0.026	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Calcium	72000	B	88	28	mg/Kg	☼	03/10/16 09:45	03/10/16 19:41	10
Chromium	11	B	2.8	0.097	mg/Kg	☼	03/11/16 15:52	03/12/16 22:28	1
Cobalt	5.7		0.22	0.050	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Copper	11		0.44	0.096	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Iron	14000	B	11	4.3	mg/Kg	☼	03/11/16 15:52	03/12/16 22:28	1
Lead	23		0.22	0.11	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Magnesium	35000	B	4.4	1.8	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Manganese	450	B	0.44	0.087	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Nickel	11	B	0.44	0.12	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Potassium	780		22	3.6	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Selenium	<0.44		0.44	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Silver	<0.22		0.22	0.052	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Sodium	1000		44	5.8	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Thallium	<0.44		0.44	0.22	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Vanadium	15		0.22	0.064	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1
Zinc	52		0.88	0.28	mg/Kg	☼	03/10/16 09:45	03/10/16 19:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/13/16 16:00	03/14/16 13:58	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		03/13/16 16:00	03/14/16 14:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	31		18	9.5	ug/Kg	☼	03/10/16 19:30	03/13/16 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.98		0.200	0.200	SU			03/09/16 17:26	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108436-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6041
Phone: 708.534.5200 Fax: 708.534.5



500-108436 COC

Report To (optional)
Contact: B. Balasubramanian
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108436
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 23.018

Client		Client Project #		Preservative		Parameter		Total Metals		TEUPISUP METALS		PH		Preservative Key	
<u>Weston Solutions Inc.</u>		<u>02056.014039.003V</u>		<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>							1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Sampling		# of Containers		Matrix						Comments	
<u>ID61039-IL Rte 102</u>				Date	Time										
Project Location/State		Sampler		Lab PM											
<u>Wilmington, IL</u>		<u>Alister Simpson</u>		<u>D. Wright</u>											
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers		Matrix							
<u>1</u>		<u>VL2-2(0-1)-030716</u>		<u>3/7/16</u>	<u>0908</u>	<u>2</u>	<u>50</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>VL2-2(0-1)D-030716</u>			<u>0908</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>3</u>		<u>VL2-1(0-1)-030716</u>			<u>0920</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>4</u>		<u>AL3-4(0-1)-030716</u>			<u>0928</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>5</u>		<u>AL3-3(0-1)-030716</u>			<u>0950</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>6</u>		<u>AL3-2(0-1)-030716</u>			<u>1005</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>7</u>		<u>AL3-1(0-1)-030716</u>			<u>1022</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>8</u>		<u>AL6-10(0-1)-030716</u>			<u>1035</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>9</u>		<u>AL6-9(0-1)-030716</u>			<u>1047</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>10</u>		<u>AL6-8(0-1)-030716</u>			<u>1102</u>					<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Ref. contract Other

Sample Disposal

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

Relinquished By: <u>[Signature]</u>	Company: <u>WESTON</u>	Date: <u>3/7/16</u>	Time: <u>15:50</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/7/16</u>	Time: <u>1558</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/7/16</u>	Time: <u>1635</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/7/16</u>	Time: <u>1635</u>
Relinquished By:	Company:	Date:	Time:	Received By:	Company:	Date:	Time:

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air
 SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusukumar
 Company: Weston Solutions Inc.
 Address: 300 Plaza Circle, Ste 202
Mundelein, IL 60060
 Phone: 224-864-7250
 Fax: 224-864-7236
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job # 500-108436

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter					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
Weston Solutions Inc		02056.014.039.0030		7	7	7	7	7			
Project Name		Lab Project #		# of Containers		Matrix		Total Metals	TCUP/PLP Methods	PH	
105039-IL Rte 102											
Project Location/State		Lab PM		Date		Time				Comments	
Wilmington, IL		D. Wright									
Sampler		Sample ID		Date		Time					
A. Simpson											
11	AL6-7(0-1)-030716	3/7/16	1120	2	80	X	X	X	X	X	
12	AL6-7(0-1)-030716		1120			X	X	X	X	X	
13	AL6-6(0-1)-030716		1135			X	X	X	X	X	
14	AL6-5(0-1)-030716		1151			X	X	X	X	X	
15	AL6-4(0-1)-030716		1204			X	X	X	X	X	
16	AL6-3(0-1)-030716		1319			X	X	X	X	X	
17	AL6-2(0-1)-030716		1329			X	X	X	X	X	
18	AL6-1(0-1)-030716		1346			X	X	X	X	X	
19	AL7-11(0-1)-030716		1358			X	X	X	X	X	
20	AL7-10(0-1)-030716		1400			X	X	X	X	X	

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

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

Relinquished By <u>[Signature]</u>	Company WESTON	Date 3/11/16	Time 15:50	Received By <u>[Signature]</u>	Company TA	Date 3/7/16	Time 1550	Lab Courier TA
Relinquished By <u>[Signature]</u>	Company TA	Date 3/10/16	Time 1635	Received By <u>[Signature]</u>	Company TA-CH	Date 3/7/16	Time 1635	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18000 block of IL 102 (ISGS Site No. 2946-7)

City: Wesley Township 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: 41.224227883 Longitude: -88.038021435
(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.224227883 Longitude: -88.038021435

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 AL7-1 THROUGH AL7-8 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-7. SEE FIGURES 3-13 AND 3-14 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108437-1 AND 500-108493-1. ALSO SEE FIGURES 4-13 AND 4-14 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL7-1(0-1)-030816	AL7-2(0-1)-030816	AL7-3(0-1)-030816	AL7-4(0-4)-038016	AL7-5(0-4)-030716	AL7-6(0-1)-030716	AL7-7(0-1)-030716	AL7-8(0-1)-030716	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	
Location ID	AL7-1	AL7-2	AL7-3	AL7-4	AL7-5	AL7-6	AL7-7	AL7-8	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-7	2946-7	2946-7	2946-7	2946-7	2946-7	2946-7	2946-7	
Parameter									
Laboratory pH (s.u.)	7.68	8	7.94	8.35	7.9	7.18	7.55	7.75	<6.25,>9.0
VOCs (ug/kg)	None Detected								
SVOCs (ug/kg)	None Detected								
Acenaphthylene	ND	22 J	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	19 J	ND	ND	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	19 J	150 J	ND	16 J	ND	39	34 J	33 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	190 J	260 J	ND	ND	43 J	38 J	52 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	250 J	240 J	ND	ND	81 J	70 J	78 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	180 J	570 J	ND	ND	ND	21 J	ND	---
Benzo(k)fluoranthene	ND	130 J	ND	ND	ND	26 J	27 J	30 J	9000
bis(2-Ethylhexyl)phthalate	130 J	190 J	ND	ND	ND	ND	ND	ND	46000
Chrysene	27 J	180 J	ND	18 J	ND	44	42	44 J	88000
Fluoranthene	20 J	160	70 J	16 J	ND	57	73	30 J	3100000
Phenanthrene	12 J	59	60 J	8 J	ND	37 J	44	25 J	---
Pyrene	65 J	450 J	260 J	49 J	ND	110	99	99 J	2300000
Total Metals (mg/kg)	None Detected								
Antimony, Total	0.28 J	0.3 J	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	3.8 J+	3 J+	3 J+	10 J+	6.3	3.1	3.8	2.7	11.3 / 13
Barium, Total	63	33	11	94	77 J	65 J	71 J	43 J	1500
Beryllium, Total	0.28	0.29	0.18	0.96 J	0.55	0.36	0.4	0.29	22
Cadmium, Total	ND	ND	ND	ND	0.045 J	0.17	0.14	0.14	5.2
Calcium, Total	66000 J	110000 J	180000 J	23000 J	2800 J	55000 J	43000 J	73000 J	---
Chromium, Total	10 B	15 B	8.4 B	ND	13 J	9.8 J	9.9 J	7.7 J	21
Cobalt, Total	6.7	4.8	2.5	8.6	8.1	5.4	6.2	4.2	20
Copper, Total	20 J-	18 J-	6.9 J-	24 J-	13 J-	12 J-	18 J-	11 J-	2900
Iron, Total	8800 J-	8000 J-	4600 J-	17000 J-	16000 J	9400 J	10000 J	7600 J	15000 / 15900
Lead, Total	38 J-	110 J-	23 J-	34 J-	19 J+	55 J+	40 J+	57 J+	107
Magnesium, Total	30000 J	49000 J	110000 J	14000 J	2600 J	28000 J	22000 J	36000 J	325000
Manganese, Total	540 J	380 J	240 J	750 J	550 J	470 J	540 J	430 J	630 / 636
Mercury, Total	0.041	0.028	0.01 J	0.055	0.03	0.016 J	0.023	0.015 J	0.89
Nickel, Total	10 J	9.5 J	8.7 J	23 J	16	10	12	9.5	100
Potassium, Total	700 J+	690 J+	650 J+	1200 J+	850 J+	780 J+	760 J+	680 J+	---
Selenium, Total	0.42 J	0.37 J	ND	ND	ND	ND	ND	ND	1.3
Sodium, Total	520	1000	610	1000	530 J-	830 J-	510 J-	840 J-	---
Vanadium, Total	15	11	9.9	31	22	15	17	14	550
Zinc, Total	60 J	76 J	290 J	130 J	59 J-	58 J-	100 J-	45 J-	5100

Summary Table of ISGS Site No. 2946-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL7-1(0-1)-030816	AL7-2(0-1)-030816	AL7-3(0-1)-030816	AL7-4(0-4)-038016	AL7-5(0-4)-030716	AL7-6(0-1)-030716	AL7-7(0-1)-030716	AL7-8(0-1)-030716	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/7/2016	3/7/2016	3/7/2016	3/7/2016	
Location ID	AL7-1	AL7-2	AL7-3	AL7-4	AL7-5	AL7-6	AL7-7	AL7-8	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-7	2946-7	2946-7	2946-7	2946-7	2946-7	2946-7	2946-7	
Parameter									
TCLP Metals (mg/l)									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.31 J	0.26 J	0.12 J	0.28 J	0.46 J	0.58	0.53	0.34 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.0034 J	0.0026 J	0.0028 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.031	0.03	0.42	ND	0.073	1.1	0.3	0.45	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	1.6 B	ND	0.85 B	ND	2.2 B	0.88 B	5
SPLP Metals (mg/l)									
Arsenic, SPLP	0.013 J	ND	ND	0.07	0.054	ND	ND	ND	0.05
Barium, SPLP	0.21 J	0.18 J	ND	0.6	0.64	0.16 J	0.14 J	0.19 J	2
Beryllium, SPLP	ND	ND	ND	0.0065	0.0057	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.04	0.061	ND	0.14	0.13	0.024 J	0.011 J	0.036	0.1
Cobalt, SPLP	ND	ND	ND	0.034	0.028	ND	ND	ND	1
Copper, SPLP	0.043	0.056	ND	0.13	0.12	0.043	0.037	0.052	0.65
Iron, SPLP	35 J+	42 J+	2.9 J+	160 J+	150	17	5.5	25	5
Lead, SPLP	0.036	0.2	0.008	0.13	0.072	0.067	0.0075	0.086	0.0075
Manganese, SPLP	0.6	0.6	0.05	1.3	2	0.21	0.085	0.32	0.15
Mercury, SPLP	0.041	0.028	0.01 J	0.055	ND	ND	ND	ND	0.002
Nickel, SPLP	0.025	0.036	ND	0.19	0.11	0.015 J	ND	0.023 J	0.1
Zinc, SPLP	0.3 J	2.2	0.71	1.1	0.49 J	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.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108437-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/15/2016 4:34:49 PM

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

LINKS

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results through
TotalAccess

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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-8(0-1)-030716

Lab Sample ID: 500-108437-3

Date Collected: 03/07/16 14:30

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 87.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/09/16 12:10	1
Benzene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/09/16 12:10	1
Bromodichloromethane	<5.7	F1	5.7	0.96	ug/Kg	☼		03/09/16 12:10	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/09/16 12:10	1
Bromomethane	<5.7	F1	5.7	2.1	ug/Kg	☼		03/09/16 12:10	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/09/16 12:10	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/09/16 12:10	1
Chlorobenzene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/09/16 12:10	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/09/16 12:10	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/09/16 12:10	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/09/16 12:10	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/09/16 12:10	1
cis-1,3-Dichloropropene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/09/16 12:10	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/09/16 12:10	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/09/16 12:10	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/09/16 12:10	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/09/16 12:10	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/09/16 12:10	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/09/16 12:10	1
Ethylbenzene	<5.7	F1	5.7	1.4	ug/Kg	☼		03/09/16 12:10	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/09/16 12:10	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/09/16 12:10	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/09/16 12:10	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/09/16 12:10	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/09/16 12:10	1
Styrene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/09/16 12:10	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/09/16 12:10	1
Tetrachloroethene	<5.7	F1	5.7	1.2	ug/Kg	☼		03/09/16 12:10	1
Toluene	<5.7	F1	5.7	2.0	ug/Kg	☼		03/09/16 12:10	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/09/16 12:10	1
trans-1,3-Dichloropropene	<5.7	F1	5.7	1.6	ug/Kg	☼		03/09/16 12:10	1
1,1,1-Trichloroethane	<5.7	F1	5.7	1.3	ug/Kg	☼		03/09/16 12:10	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/09/16 12:10	1
Trichloroethene	<5.7	F1	5.7	1.5	ug/Kg	☼		03/09/16 12:10	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/09/16 12:10	1
Xylenes, Total	<11	F1	11	2.1	ug/Kg	☼		03/09/16 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/09/16 12:10	1
Dibromofluoromethane	109		75 - 120		03/09/16 12:10	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/09/16 12:10	1
Toluene-d8 (Surr)	105		75 - 122		03/09/16 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-8(0-1)-030716

Lab Sample ID: 500-108437-3

Date Collected: 03/07/16 14:30

Matrix: Solid

Date Received: 03/07/16 16:35

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	84	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4-Bromophenyl phenyl ether	<180		180	49	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Anthracene	<37		37	6.1	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Benzo[a]anthracene	33	J *	37	4.9	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Benzo[a]pyrene	52	*	37	7.1	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Benzo[b]fluoranthene	78	*	37	7.9	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Benzo[g,h,i]perylene	<37 *		37	12	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Benzo[k]fluoranthene	30	J *	37	11	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Bis(2-ethylhexyl) phthalate	<180 *		180	67	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Butyl benzyl phthalate	<180 *		180	70	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Carbazole	<180		180	92	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Chrysene	44	*	37	10	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Dibenz(a,h)anthracene	<37 *		37	7.1	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Fluoranthene	30	J	37	6.8	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-8(0-1)-030716

Lab Sample ID: 500-108437-3

Date Collected: 03/07/16 14:30

Matrix: Solid

Date Received: 03/07/16 16:35

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	9.5	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Isophorone	<180		180	41	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Phenanthrene	25	J	37	5.1	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Phenol	<180		180	82	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Pyrene	99	*	37	7.3	ug/Kg	☼	03/09/16 16:52	03/12/16 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				03/09/16 16:52	03/12/16 12:32	1
2-Fluorobiphenyl	91		25 - 119				03/09/16 16:52	03/12/16 12:32	1
2-Fluorophenol	89		25 - 110				03/09/16 16:52	03/12/16 12:32	1
Nitrobenzene-d5	90		25 - 115				03/09/16 16:52	03/12/16 12:32	1
Phenol-d5	96		31 - 110				03/09/16 16:52	03/12/16 12:32	1
Terphenyl-d14	209	X *	36 - 134				03/09/16 16:52	03/12/16 12:32	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		03/11/16 14:59	03/14/16 12:48	1
Barium	0.34	J	0.50	0.050	mg/L		03/11/16 14:59	03/14/16 12:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 14:59	03/14/16 12:48	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		03/11/16 14:59	03/14/16 12:48	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:48	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:48	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:48	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 14:59	03/14/16 12:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 14:59	03/14/16 12:48	1
Manganese	0.45		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:48	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 14:59	03/14/16 12:48	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:48	1
Zinc	0.88	B	0.50	0.020	mg/L		03/11/16 14:59	03/14/16 12:48	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		03/12/16 12:29	03/13/16 16:07	1
Barium	0.19	J	0.50	0.050	mg/L		03/12/16 12:29	03/13/16 16:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:29	03/13/16 16:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:29	03/13/16 16:07	1
Chromium	0.036		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:07	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:07	1
Copper	0.052		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:07	1
Iron	25		0.40	0.20	mg/L		03/12/16 12:29	03/13/16 16:07	1
Lead	0.086		0.0075	0.0075	mg/L		03/12/16 12:29	03/13/16 16:07	1
Manganese	0.32		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:07	1
Nickel	0.023	J	0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:07	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:29	03/13/16 16:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-8(0-1)-030716

Lab Sample ID: 500-108437-3

Date Collected: 03/07/16 14:30

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 87.7

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		03/12/16 12:29	03/13/16 16:07	1
Zinc	0.22	J	0.50	0.020	mg/L		03/12/16 12:29	03/13/16 16:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Arsenic	2.7		0.55	0.25	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Barium	43		0.55	0.10	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Beryllium	0.29		0.22	0.047	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Cadmium	0.14		0.11	0.032	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Calcium	73000	B	110	35	mg/Kg	☼	03/09/16 15:58	03/10/16 15:42	10
Chromium	7.7	B	0.55	0.094	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Cobalt	4.2		0.27	0.062	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Copper	11		0.55	0.12	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Iron	7600	B	11	4.2	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Lead	57		0.27	0.14	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Magnesium	36000	B	5.5	2.2	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Manganese	430		0.55	0.11	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Nickel	9.5		0.55	0.15	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Potassium	680		27	4.5	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Sodium	840	B	55	7.2	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Vanadium	14		0.27	0.080	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	1
Zinc	45		1.1	0.35	mg/Kg	☼	03/09/16 15:58	03/10/16 14:49	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		03/13/16 16:00	03/14/16 12:03	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		03/13/16 18:00	03/15/16 11:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	19	9.9	ug/Kg	☼	03/10/16 19:30	03/12/16 19:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.75		0.200	0.200	SU			03/09/16 17:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-7(0-1)-030716

Lab Sample ID: 500-108437-4

Date Collected: 03/07/16 14:45

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/09/16 13:28	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/09/16 13:28	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/09/16 13:28	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 13:28	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/09/16 13:28	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/09/16 13:28	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/09/16 13:28	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/09/16 13:28	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 13:28	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 13:28	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/09/16 13:28	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 13:28	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/09/16 13:28	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/09/16 13:28	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/09/16 13:28	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/09/16 13:28	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/09/16 13:28	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/09/16 13:28	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/09/16 13:28	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/09/16 13:28	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 13:28	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		03/09/16 13:28	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		03/09/16 13:28	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/09/16 13:28	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/09/16 13:28	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/09/16 13:28	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 13:28	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/09/16 13:28	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 13:28	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/09/16 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/09/16 13:28	1
Dibromofluoromethane	107		75 - 120		03/09/16 13:28	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/09/16 13:28	1
Toluene-d8 (Surr)	106		75 - 122		03/09/16 13:28	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	☼	03/09/16 16:52	03/12/16 11:20	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-7(0-1)-030716

Lab Sample ID: 500-108437-4

Date Collected: 03/07/16 14:45

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.1

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	88	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Anthracene	<38		38	6.4	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Benzo[a]anthracene	34	J	38	5.2	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Benzo[a]pyrene	38	*	38	7.4	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Benzo[b]fluoranthene	70	*	38	8.3	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Benzo[g,h,i]perylene	21	J *	38	12	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Benzo[k]fluoranthene	27	J *	38	11	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Carbazole	<190		190	96	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Chrysene	42		38	10	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Dibenz(a,h)anthracene	<38	*	38	7.4	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Fluoranthene	73		38	7.1	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-7(0-1)-030716

Lab Sample ID: 500-108437-4

Date Collected: 03/07/16 14:45

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.1

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	<38	*	38	9.9	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Isophorone	<190		190	43	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Phenanthrene	44		38	5.3	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Phenol	<190		190	85	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1
Pyrene	99		38	7.6	ug/Kg	☼	03/09/16 16:52	03/12/16 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		35 - 137	03/09/16 16:52	03/12/16 11:20	1
2-Fluorobiphenyl	83		25 - 119	03/09/16 16:52	03/12/16 11:20	1
2-Fluorophenol	79		25 - 110	03/09/16 16:52	03/12/16 11:20	1
Nitrobenzene-d5	81		25 - 115	03/09/16 16:52	03/12/16 11:20	1
Phenol-d5	85		31 - 110	03/09/16 16:52	03/12/16 11:20	1
Terphenyl-d14	147	X	36 - 134	03/09/16 16:52	03/12/16 11:20	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		03/11/16 14:59	03/14/16 12:53	1
Barium	0.53		0.50	0.050	mg/L		03/11/16 14:59	03/14/16 12:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 14:59	03/14/16 12:53	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/11/16 14:59	03/14/16 12:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:53	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:53	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 14:59	03/14/16 12:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 14:59	03/14/16 12:53	1
Manganese	0.30		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 14:59	03/14/16 12:53	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 12:53	1
Zinc	2.2	B	0.50	0.020	mg/L		03/11/16 14:59	03/14/16 12:53	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		03/12/16 12:29	03/13/16 16:13	1
Barium	0.14	J	0.50	0.050	mg/L		03/12/16 12:29	03/13/16 16:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:29	03/13/16 16:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:29	03/13/16 16:13	1
Chromium	0.011	J	0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:13	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:13	1
Copper	0.037		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:13	1
Iron	5.5		0.40	0.20	mg/L		03/12/16 12:29	03/13/16 16:13	1
Lead	0.0075		0.0075	0.0075	mg/L		03/12/16 12:29	03/13/16 16:13	1
Manganese	0.085		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:13	1
Nickel	<0.025		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:13	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:29	03/13/16 16:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-7(0-1)-030716

Lab Sample ID: 500-108437-4

Date Collected: 03/07/16 14:45

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.1

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		03/12/16 12:29	03/13/16 16:13	1
Zinc	0.41	J	0.50	0.020	mg/L		03/12/16 12:29	03/13/16 16:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Arsenic	3.8		0.57	0.26	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Barium	71		0.57	0.10	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Beryllium	0.40		0.23	0.049	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Cadmium	0.14		0.11	0.033	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Calcium	43000	B	110	37	mg/Kg	☼	03/09/16 15:58	03/10/16 15:46	10
Chromium	9.9	B	0.57	0.098	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Cobalt	6.2		0.28	0.064	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Copper	18		0.57	0.12	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Iron	10000	B	11	4.4	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Lead	40		0.28	0.14	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Magnesium	22000	B	5.7	2.3	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Manganese	540		0.57	0.11	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Nickel	12		0.57	0.15	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Potassium	760		28	4.6	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Selenium	0.57	B	0.57	0.28	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Sodium	510	B	57	7.5	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Vanadium	17		0.28	0.083	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1
Zinc	100		1.1	0.36	mg/Kg	☼	03/09/16 15:58	03/10/16 14:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/13/16 16:00	03/14/16 12:05	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		03/13/16 18:00	03/15/16 11:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	9.8	ug/Kg	☼	03/10/16 19:30	03/12/16 19:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.55		0.200	0.200	SU			03/09/16 19:21	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-6(0-1)-030716

Lab Sample ID: 500-108437-5

Date Collected: 03/07/16 14:58

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/09/16 13:54	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/09/16 13:54	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		03/09/16 13:54	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		03/09/16 13:54	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		03/09/16 13:54	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/09/16 13:54	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		03/09/16 13:54	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/09/16 13:54	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/09/16 13:54	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		03/09/16 13:54	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/09/16 13:54	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		03/09/16 13:54	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		03/09/16 13:54	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/09/16 13:54	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/09/16 13:54	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/09/16 13:54	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/09/16 13:54	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/09/16 13:54	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/09/16 13:54	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/09/16 13:54	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		03/09/16 13:54	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.97	ug/Kg	☼		03/09/16 13:54	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/09/16 13:54	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/09/16 13:54	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/09/16 13:54	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/09/16 13:54	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/09/16 13:54	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		03/09/16 13:54	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		03/09/16 13:54	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		03/09/16 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/09/16 13:54	1
Dibromofluoromethane	110		75 - 120		03/09/16 13:54	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/09/16 13:54	1
Toluene-d8 (Surr)	106		75 - 122		03/09/16 13:54	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	☼	03/09/16 16:52	03/12/16 11:44	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-6(0-1)-030716

Lab Sample ID: 500-108437-5

Date Collected: 03/07/16 14:58

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2-Methylphenol	<200		200	64	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Anthracene	<39		39	6.6	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Benzo[a]anthracene	39		39	5.3	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Benzo[a]pyrene	43 *		39	7.7	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Benzo[b]fluoranthene	81 *		39	8.5	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Benzo[g,h,i]perylene	<39 *		39	13	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Benzo[k]fluoranthene	26 J *		39	12	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Carbazole	<200		200	99	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Chrysene	44		39	11	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Dibenz(a,h)anthracene	<39 *		39	7.7	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Fluoranthene	57		39	7.3	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Fluorene	<39		39	5.6	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Hexachloroethane	<200		200	60	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-6(0-1)-030716

Lab Sample ID: 500-108437-5

Date Collected: 03/07/16 14:58

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.1

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	<39	*	39	10	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Isophorone	<200		200	44	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Naphthalene	<39		39	6.1	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Phenanthrene	37	J	39	5.5	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Phenol	<200		200	88	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1
Pyrene	110		39	7.9	ug/Kg	☼	03/09/16 16:52	03/12/16 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		35 - 137	03/09/16 16:52	03/12/16 11:44	1
2-Fluorobiphenyl	82		25 - 119	03/09/16 16:52	03/12/16 11:44	1
2-Fluorophenol	77		25 - 110	03/09/16 16:52	03/12/16 11:44	1
Nitrobenzene-d5	77		25 - 115	03/09/16 16:52	03/12/16 11:44	1
Phenol-d5	80		31 - 110	03/09/16 16:52	03/12/16 11:44	1
Terphenyl-d14	145	X	36 - 134	03/09/16 16:52	03/12/16 11:44	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		03/11/16 14:59	03/14/16 13:15	1
Barium	0.58		0.50	0.050	mg/L		03/11/16 14:59	03/14/16 13:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 14:59	03/14/16 13:15	1
Cadmium	0.0034	J	0.0050	0.0020	mg/L		03/11/16 14:59	03/14/16 13:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:15	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:15	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 14:59	03/14/16 13:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 14:59	03/14/16 13:15	1
Manganese	1.1		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:15	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 14:59	03/14/16 13:15	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:15	1
Zinc	0.15	J B	0.50	0.020	mg/L		03/11/16 14:59	03/14/16 13:15	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		03/12/16 12:29	03/13/16 16:20	1
Barium	0.16	J	0.50	0.050	mg/L		03/12/16 12:29	03/13/16 16:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/12/16 12:29	03/13/16 16:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:29	03/13/16 16:20	1
Chromium	0.024	J	0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:20	1
Cobalt	<0.025		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:20	1
Copper	0.043		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:20	1
Iron	17		0.40	0.20	mg/L		03/12/16 12:29	03/13/16 16:20	1
Lead	0.067		0.0075	0.0075	mg/L		03/12/16 12:29	03/13/16 16:20	1
Manganese	0.21		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:20	1
Nickel	0.015	J	0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:29	03/13/16 16:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-6(0-1)-030716

Lab Sample ID: 500-108437-5

Date Collected: 03/07/16 14:58

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 82.1

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		03/12/16 12:29	03/13/16 16:20	1
Zinc	0.22	J	0.50	0.020	mg/L		03/12/16 12:29	03/13/16 16:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Arsenic	3.1		0.56	0.26	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Barium	65		0.56	0.10	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Beryllium	0.36		0.22	0.048	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Cadmium	0.17		0.11	0.032	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Calcium	55000	B	110	36	mg/Kg	☼	03/09/16 15:58	03/10/16 15:50	10
Chromium	9.8	B	0.56	0.096	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Cobalt	5.4		0.28	0.063	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Copper	12		0.56	0.12	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Iron	9400	B	11	4.3	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Lead	55		0.28	0.14	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Magnesium	28000	B	5.6	2.3	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Manganese	470		0.56	0.11	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Nickel	10		0.56	0.15	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Potassium	780		28	4.6	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Sodium	830	B	56	7.4	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Vanadium	15		0.28	0.081	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	1
Zinc	58		1.1	0.35	mg/Kg	☼	03/09/16 15:58	03/10/16 14:59	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		03/13/16 16:00	03/14/16 12:07	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		03/13/16 18:00	03/15/16 11:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	9.6	ug/Kg	☼	03/10/16 19:30	03/12/16 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.18		0.200	0.200	SU			03/09/16 19:29	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-5(0-4)-030716

Lab Sample ID: 500-108437-6

Date Collected: 03/07/16 15:25

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/09/16 14:20	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/09/16 14:20	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/09/16 14:20	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/09/16 14:20	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/09/16 14:20	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/09/16 14:20	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/09/16 14:20	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/09/16 14:20	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/09/16 14:20	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/09/16 14:20	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/09/16 14:20	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/09/16 14:20	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/09/16 14:20	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/09/16 14:20	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/09/16 14:20	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/09/16 14:20	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/09/16 14:20	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/09/16 14:20	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/09/16 14:20	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/09/16 14:20	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/09/16 14:20	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/09/16 14:20	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/09/16 14:20	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/09/16 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/09/16 14:20	1
Dibromofluoromethane	109		75 - 120		03/09/16 14:20	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		03/09/16 14:20	1
Toluene-d8 (Surr)	105		75 - 122		03/09/16 14:20	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	☼	03/09/16 16:52	03/11/16 08:12	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-5(0-4)-030716

Lab Sample ID: 500-108437-6

Date Collected: 03/07/16 15:25

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

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	☼	03/09/16 16:52	03/11/16 08:12	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Anthracene	<38		38	6.4	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Carbazole	<190		190	96	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Chrysene	<38		38	10	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-5(0-4)-030716

Lab Sample ID: 500-108437-6

Date Collected: 03/07/16 15:25

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

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	<38		38	9.9	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Isophorone	<190		190	43	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Phenol	<190		190	85	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Pyrene	<38		38	7.6	ug/Kg	☼	03/09/16 16:52	03/11/16 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	43		35 - 137				03/09/16 16:52	03/11/16 08:12	1
2-Fluorobiphenyl	63		25 - 119				03/09/16 16:52	03/11/16 08:12	1
2-Fluorophenol	72		25 - 110				03/09/16 16:52	03/11/16 08:12	1
Nitrobenzene-d5	64		25 - 115				03/09/16 16:52	03/11/16 08:12	1
Phenol-d5	67		31 - 110				03/09/16 16:52	03/11/16 08:12	1
Terphenyl-d14	80		36 - 134				03/09/16 16:52	03/11/16 08:12	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		03/11/16 14:59	03/14/16 13:20	1
Barium	0.46	J	0.50	0.050	mg/L		03/11/16 14:59	03/14/16 13:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/16 14:59	03/14/16 13:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/16 14:59	03/14/16 13:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:20	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:20	1
Copper	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:20	1
Iron	<0.40		0.40	0.20	mg/L		03/11/16 14:59	03/14/16 13:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/16 14:59	03/14/16 13:20	1
Manganese	0.073		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:20	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/16 14:59	03/14/16 13:20	1
Silver	<0.025		0.025	0.010	mg/L		03/11/16 14:59	03/14/16 13:20	1
Zinc	0.85	B	0.50	0.020	mg/L		03/11/16 14:59	03/14/16 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.054		0.050	0.010	mg/L		03/12/16 12:29	03/13/16 16:27	1
Barium	0.64		0.50	0.050	mg/L		03/12/16 12:29	03/13/16 16:27	1
Beryllium	0.0057		0.0040	0.0040	mg/L		03/12/16 12:29	03/13/16 16:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/12/16 12:29	03/13/16 16:27	1
Chromium	0.13		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:27	1
Cobalt	0.028		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:27	1
Copper	0.12		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:27	1
Iron	150		0.40	0.20	mg/L		03/12/16 12:29	03/13/16 16:27	1
Lead	0.072		0.0075	0.0075	mg/L		03/12/16 12:29	03/13/16 16:27	1
Manganese	2.0		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:27	1
Nickel	0.11		0.025	0.010	mg/L		03/12/16 12:29	03/13/16 16:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/12/16 12:29	03/13/16 16:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Client Sample ID: AL7-5(0-4)-030716

Lab Sample ID: 500-108437-6

Date Collected: 03/07/16 15:25

Matrix: Solid

Date Received: 03/07/16 16:35

Percent Solids: 83.7

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		03/12/16 12:29	03/13/16 16:27	1
Zinc	0.49	J	0.50	0.020	mg/L		03/12/16 12:29	03/13/16 16:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Arsenic	6.3		0.57	0.26	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Barium	77		0.57	0.10	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Beryllium	0.55		0.23	0.050	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Cadmium	0.045	J	0.11	0.033	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Calcium	2800	B	11	3.7	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Chromium	13	B	0.57	0.099	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Cobalt	8.1		0.29	0.065	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Copper	13		0.57	0.12	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Iron	16000	B	11	4.4	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Lead	19		0.29	0.14	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Magnesium	2600	B	5.7	2.3	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Manganese	550		0.57	0.11	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Nickel	16		0.57	0.16	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Potassium	850		29	4.7	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Selenium	0.81	B	0.57	0.28	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Sodium	530	B	57	7.6	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Vanadium	22		0.29	0.084	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	1
Zinc	59		1.1	0.36	mg/Kg	☼	03/09/16 15:58	03/10/16 15:04	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		03/13/16 16:00	03/14/16 12:09	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		03/13/16 18:00	03/15/16 11:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		18	9.6	ug/Kg	☼	03/10/16 19:30	03/12/16 19:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.90		0.200	0.200	SU			03/09/16 19:33	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance 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.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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.
E	Result exceeded calibration range.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108437-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6C
Phone: 708.534.5200 Fax: 708.534



500-108437 COC

Report To (optional)
Contact: S. Babunumar
Company: Wenton Solutions Inc.
Address: 380 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7256
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108437
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: 23.28

Client		Client Project #		Preservative		Parameter												Preservative Key	
Project Name																			
Project Location/State		Lab Project #																	
Sampler		Lab PM																	
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TECP/SLP Metals	PH								
			Date	Time															
1		AL7-9-(0-1)D-030716	3/7/16	1420	2	SO	X	X	X	X	X								
2		AL7-9-(0-1)-030716		1420			X	X	X	X	X								
3		AL7-8-(0-1)-030716		1436			X	X	X	X	X								
4		AL7-8-(0-1)-030716		1445			X	X	X	X	X								
5		AL7-6-(0-1)-030716		1458			X	X	X	X	X								
6		AL7-5-(0-4)-030716		1525			X	X	X	X	X								

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Per Contract Other

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for ___ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>WENTON</u>	Date <u>3/7/16</u>	Time <u>1550</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/7/16</u>	Time <u>1550</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/7/16</u>	Time <u>1635</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/7/16</u>	Time <u>1635</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

- | | |
|--------------------|---------------------|
| WW - Wastewater | SE - Sediment |
| W - Water | SO - Soil |
| S - Soil | L - Leachate |
| SL - Sludge | WI - Wipe |
| MS - Miscellaneous | DW - Drinking Water |
| OL - Oil | O - Other |
| A - Air | |

Client Comments

Lab Comments:

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: 500-108493-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/18/2016 4:06:46 PM

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

LINKS

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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-4(0-4)-038016

Lab Sample ID: 500-108493-1

Date Collected: 03/08/16 08:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 78.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.9	ug/Kg	☼		03/10/16 11:30	1
Benzene	<6.3	F1	6.3	1.4	ug/Kg	☼		03/10/16 11:30	1
Bromodichloromethane	<6.3	F1	6.3	1.1	ug/Kg	☼		03/10/16 11:30	1
Bromoform	<6.3		6.3	1.3	ug/Kg	☼		03/10/16 11:30	1
Bromomethane	<6.3	F1 *	6.3	2.3	ug/Kg	☼		03/10/16 11:30	1
Carbon disulfide	<6.3	F1	6.3	2.3	ug/Kg	☼		03/10/16 11:30	1
Carbon tetrachloride	<6.3		6.3	1.4	ug/Kg	☼		03/10/16 11:30	1
Chlorobenzene	<6.3	F1	6.3	1.5	ug/Kg	☼		03/10/16 11:30	1
Chloroethane	<6.3	F1	6.3	2.7	ug/Kg	☼		03/10/16 11:30	1
Chloroform	<6.3	F1	6.3	1.2	ug/Kg	☼		03/10/16 11:30	1
Chloromethane	<6.3	F1	6.3	1.5	ug/Kg	☼		03/10/16 11:30	1
cis-1,2-Dichloroethene	<6.3	F1	6.3	1.3	ug/Kg	☼		03/10/16 11:30	1
cis-1,3-Dichloropropene	<6.3	F1	6.3	1.4	ug/Kg	☼		03/10/16 11:30	1
Dibromochloromethane	<6.3	F1	6.3	0.73	ug/Kg	☼		03/10/16 11:30	1
1,1-Dichloroethane	<6.3	F1	6.3	1.3	ug/Kg	☼		03/10/16 11:30	1
1,2-Dichloroethane	<6.3	F1	6.3	0.94	ug/Kg	☼		03/10/16 11:30	1
1,1-Dichloroethene	<6.3	F1	6.3	2.3	ug/Kg	☼		03/10/16 11:30	1
1,2-Dichloropropane	<6.3	F1	6.3	1.7	ug/Kg	☼		03/10/16 11:30	1
1,3-Dichloropropene, Total	<6.3		6.3	1.8	ug/Kg	☼		03/10/16 11:30	1
Ethylbenzene	<6.3	F1	6.3	1.6	ug/Kg	☼		03/10/16 11:30	1
2-Hexanone	<6.3		6.3	2.0	ug/Kg	☼		03/10/16 11:30	1
Methylene Chloride	<6.3	F1	6.3	4.8	ug/Kg	☼		03/10/16 11:30	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		03/10/16 11:30	1
methyl isobutyl ketone	<6.3		6.3	1.3	ug/Kg	☼		03/10/16 11:30	1
Methyl tert-butyl ether	<6.3		6.3	1.5	ug/Kg	☼		03/10/16 11:30	1
Styrene	<6.3	F1	6.3	1.5	ug/Kg	☼		03/10/16 11:30	1
1,1,2,2-Tetrachloroethane	<6.3	F1	6.3	1.0	ug/Kg	☼		03/10/16 11:30	1
Tetrachloroethene	<6.3	F1	6.3	1.3	ug/Kg	☼		03/10/16 11:30	1
Toluene	<6.3	F1	6.3	2.2	ug/Kg	☼		03/10/16 11:30	1
trans-1,2-Dichloroethene	<6.3	F1	6.3	1.6	ug/Kg	☼		03/10/16 11:30	1
trans-1,3-Dichloropropene	<6.3	F1	6.3	1.8	ug/Kg	☼		03/10/16 11:30	1
1,1,1-Trichloroethane	<6.3	F1	6.3	1.5	ug/Kg	☼		03/10/16 11:30	1
1,1,2-Trichloroethane	<6.3	F1	6.3	1.2	ug/Kg	☼		03/10/16 11:30	1
Trichloroethene	<6.3	F1	6.3	1.7	ug/Kg	☼		03/10/16 11:30	1
Vinyl chloride	<6.3	F1	6.3	1.5	ug/Kg	☼		03/10/16 11:30	1
Xylenes, Total	<13	F1	13	2.3	ug/Kg	☼		03/10/16 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/10/16 11:30	1
Dibromofluoromethane	96		75 - 120		03/10/16 11:30	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134		03/10/16 11:30	1
Toluene-d8 (Surr)	114		75 - 122		03/10/16 11:30	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	☼	03/10/16 14:49	03/14/16 19:06	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-4(0-4)-038016

Lab Sample ID: 500-108493-1

Date Collected: 03/08/16 08:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 78.9

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	☼	03/10/16 14:49	03/14/16 19:06	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2-Methylphenol	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
3,3'-Dichlorobenzidine	<200 *		200	56	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Anthracene	<40		40	6.7	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Benzo[a]anthracene	16 J *		40	5.4	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Benzo[a]pyrene	<40 *		40	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Benzo[b]fluoranthene	<40 *		40	8.6	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Benzo[g,h,i]perylene	<40 *		40	13	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Benzo[k]fluoranthene	<40 *		40	12	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Bis(2-ethylhexyl) phthalate	<200 *		200	73	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Butyl benzyl phthalate	<200 *		200	76	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Carbazole	<200		200	100	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Chrysene	18 J *		40	11	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Dibenz(a,h)anthracene	<40 *		40	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Dibenzofuran	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Fluoranthene	16 J		40	7.4	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Fluorene	<40		40	5.6	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Hexachloroethane	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-4(0-4)-038016

Lab Sample ID: 500-108493-1

Date Collected: 03/08/16 08:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 78.9

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	<40	*	40	10	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Isophorone	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Naphthalene	<40		40	6.1	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Nitrobenzene	<40		40	10	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Phenanthrene	8.0	J	40	5.6	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Phenol	<200		200	89	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Pyrene	49	*	40	7.9	ug/Kg	☼	03/10/16 14:49	03/14/16 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		35 - 137				03/10/16 14:49	03/14/16 19:06	1
2-Fluorobiphenyl	91		25 - 119				03/10/16 14:49	03/14/16 19:06	1
2-Fluorophenol	82		25 - 110				03/10/16 14:49	03/14/16 19:06	1
Nitrobenzene-d5	81		25 - 115				03/10/16 14:49	03/14/16 19:06	1
Phenol-d5	88		31 - 110				03/10/16 14:49	03/14/16 19:06	1
Terphenyl-d14	271	X *	36 - 134				03/10/16 14:49	03/14/16 19:06	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		03/15/16 08:29	03/16/16 03:11	1
Barium	0.28	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:11	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:11	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:11	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:11	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:11	1
Zinc	0.095	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.070		0.050	0.010	mg/L		03/15/16 08:34	03/15/16 23:36	1
Barium	0.60		0.50	0.050	mg/L		03/15/16 08:34	03/15/16 23:36	1
Beryllium	0.0065		0.0040	0.0040	mg/L		03/15/16 08:34	03/15/16 23:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/15/16 23:36	1
Chromium	0.14		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:36	1
Cobalt	0.034		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:36	1
Copper	0.13		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:36	1
Iron	160		0.40	0.20	mg/L		03/15/16 08:34	03/15/16 23:36	1
Lead	0.13		0.0075	0.0075	mg/L		03/15/16 08:34	03/15/16 23:36	1
Manganese	1.3		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:36	1
Nickel	0.19		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/15/16 23:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-4(0-4)-038016

Lab Sample ID: 500-108493-1

Date Collected: 03/08/16 08:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 78.9

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		03/15/16 08:34	03/15/16 23:36	1
Zinc	1.1		0.50	0.020	mg/L		03/15/16 08:34	03/15/16 23:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<6.1	F1	6.1	1.3	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Arsenic	10	F1	3.1	1.4	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Barium	94		3.1	0.56	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Beryllium	0.96	J	1.2	0.27	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Cadmium	<0.61		0.61	0.18	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Calcium	23000	B F2	61	20	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Chromium	20	B	15	0.53	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Cobalt	8.6		0.31	0.069	mg/Kg	☼	03/14/16 09:51	03/14/16 20:53	1
Copper	24	F1	3.1	0.66	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Iron	17000	B	12	4.7	mg/Kg	☼	03/14/16 09:51	03/14/16 20:53	1
Lead	34		0.31	0.15	mg/Kg	☼	03/14/16 09:51	03/14/16 20:53	1
Magnesium	14000	B F2	31	12	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Manganese	750	B F2	3.1	0.61	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Nickel	23	F1 B	0.61	0.17	mg/Kg	☼	03/14/16 09:51	03/14/16 20:53	1
Potassium	1200	F1	150	25	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Selenium	<3.1		3.1	1.5	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Silver	<1.5		1.5	0.36	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Sodium	1000		310	40	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Thallium	<0.61		0.61	0.30	mg/Kg	☼	03/14/16 09:51	03/14/16 20:53	1
Vanadium	31		1.5	0.45	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	5
Zinc	130		6.1	1.9	mg/Kg	☼	03/14/16 09:51	03/15/16 18:32	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		03/15/16 14:30	03/16/16 11:04	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		03/15/16 14:30	03/16/16 13:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	55		20	11	ug/Kg	☼	03/15/16 16:45	03/16/16 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.35		0.200	0.200	SU			03/10/16 15:09	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-3(0-1)-030816

Lab Sample ID: 500-108493-2

Date Collected: 03/08/16 09:10

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 92.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/10/16 12:45	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		03/10/16 12:45	1
Bromodichloromethane	<5.4		5.4	0.91	ug/Kg	☼		03/10/16 12:45	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		03/10/16 12:45	1
Bromomethane	<5.4 *		5.4	2.0	ug/Kg	☼		03/10/16 12:45	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		03/10/16 12:45	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		03/10/16 12:45	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		03/10/16 12:45	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		03/10/16 12:45	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/10/16 12:45	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		03/10/16 12:45	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		03/10/16 12:45	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		03/10/16 12:45	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		03/10/16 12:45	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		03/10/16 12:45	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		03/10/16 12:45	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		03/10/16 12:45	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		03/10/16 12:45	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		03/10/16 12:45	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		03/10/16 12:45	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		03/10/16 12:45	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		03/10/16 12:45	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		03/10/16 12:45	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		03/10/16 12:45	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		03/10/16 12:45	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		03/10/16 12:45	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		03/10/16 12:45	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		03/10/16 12:45	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		03/10/16 12:45	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/10/16 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/10/16 12:45	1
Dibromofluoromethane	100		75 - 120		03/10/16 12:45	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 12:45	1
Toluene-d8 (Surr)	111		75 - 122		03/10/16 12:45	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	☼	03/10/16 14:49	03/14/16 19:30	5
1,2-Dichlorobenzene	<860		860	200	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
1,3-Dichlorobenzene	<860		860	190	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
1,4-Dichlorobenzene	<860		860	220	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,2'-oxybis[1-chloropropane]	<860		860	200	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-3(0-1)-030816

Lab Sample ID: 500-108493-2

Date Collected: 03/08/16 09:10

Matrix: Solid

Date Received: 03/08/16 16:45

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	<1700		1700	390	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,4,6-Trichlorophenol	<1700		1700	590	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,4-Dichlorophenol	<1700		1700	410	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,4-Dimethylphenol	<1700		1700	650	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,4-Dinitrophenol	<3400		3400	3000	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,4-Dinitrotoluene	<860	F1	860	270	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2,6-Dinitrotoluene	<860		860	340	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2-Chloronaphthalene	<860		860	190	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2-Chlorophenol	<860		860	290	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2-Methylnaphthalene	<170	F1	170	31	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2-Methylphenol	<860		860	270	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2-Nitroaniline	<860		860	230	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
2-Nitrophenol	<1700	F1 F2	1700	400	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
3 & 4 Methylphenol	<860		860	280	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
3,3'-Dichlorobenzidine	<860	* F1	860	240	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
3-Nitroaniline	<1700		1700	530	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4,6-Dinitro-2-methylphenol	<3400	F1	3400	1400	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4-Bromophenyl phenyl ether	<860	F1	860	230	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4-Chloro-3-methylphenol	<1700		1700	580	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4-Chloroaniline	<3400	F1	3400	800	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4-Chlorophenyl phenyl ether	<860		860	200	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4-Nitroaniline	<1700	F1	1700	710	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
4-Nitrophenol	<3400	F1	3400	1600	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Acenaphthene	<170		170	31	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Acenaphthylene	<170		170	23	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Anthracene	<170		170	29	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Benzo[a]anthracene	<170	*	170	23	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Benzo[a]pyrene	260	*	170	33	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Benzo[b]fluoranthene	240	*	170	37	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Benzo[g,h,i]perylene	570	* F1 F2	170	55	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Benzo[k]fluoranthene	<170	*	170	50	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Bis(2-chloroethoxy)methane	<860		860	170	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Bis(2-chloroethyl)ether	<860		860	260	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Bis(2-ethylhexyl) phthalate	<860	* F1	860	310	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Butyl benzyl phthalate	<860	* F1 F2	860	320	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Carbazole	<860		860	430	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Chrysene	<170	*	170	47	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Dibenz(a,h)anthracene	<170	* F1 F2	170	33	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Dibenzofuran	<860		860	200	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Diethyl phthalate	<860		860	290	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Dimethyl phthalate	<860	F1	860	220	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Di-n-butyl phthalate	<860	F1	860	260	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Di-n-octyl phthalate	<860	F1	860	280	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Fluoranthene	70	J F1 F2	170	32	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Fluorene	<170		170	24	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Hexachlorobenzene	<340		340	40	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Hexachlorobutadiene	<860		860	270	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Hexachlorocyclopentadiene	<3400	F1	3400	980	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Hexachloroethane	<860	F1 F2	860	260	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-3(0-1)-030816

Lab Sample ID: 500-108493-2

Date Collected: 03/08/16 09:10

Matrix: Solid

Date Received: 03/08/16 16:45

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	<170	* F1 F2	170	44	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Isophorone	<860		860	190	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Naphthalene	<170		170	26	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Nitrobenzene	<170		170	43	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
N-Nitrosodi-n-propylamine	<340		340	210	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
N-Nitrosodiphenylamine	<860	F1 F2	860	200	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Pentachlorophenol	<3400	F1	3400	2700	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Phenanthrene	60	J	170	24	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Phenol	<860		860	380	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5
Pyrene	260	* F1 F2	170	34	ug/Kg	☼	03/10/16 14:49	03/14/16 19:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		35 - 137	03/10/16 14:49	03/14/16 19:30	5
2-Fluorobiphenyl	119		25 - 119	03/10/16 14:49	03/14/16 19:30	5
2-Fluorophenol	114	X	25 - 110	03/10/16 14:49	03/14/16 19:30	5
Nitrobenzene-d5	106		25 - 115	03/10/16 14:49	03/14/16 19:30	5
Phenol-d5	109		31 - 110	03/10/16 14:49	03/14/16 19:30	5
Terphenyl-d14	236	X *	36 - 134	03/10/16 14:49	03/14/16 19:30	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		03/15/16 08:29	03/16/16 03:16	1
Barium	0.12	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 15:12	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:16	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 15:12	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:16	1
Manganese	0.42		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:16	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 15:12	1
Zinc	1.6	B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:16	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		03/15/16 08:34	03/15/16 23:41	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:34	03/15/16 23:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/15/16 23:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/15/16 23:41	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:41	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:41	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:41	1
Iron	2.9		0.40	0.20	mg/L		03/15/16 08:34	03/15/16 23:41	1
Lead	0.0080		0.0075	0.0075	mg/L		03/15/16 08:34	03/15/16 23:41	1
Manganese	0.050		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:41	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/15/16 23:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-3(0-1)-030816

Lab Sample ID: 500-108493-2

Date Collected: 03/08/16 09:10

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 92.5

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		03/15/16 08:34	03/15/16 23:41	1
Zinc	0.71		0.50	0.020	mg/L		03/15/16 08:34	03/15/16 23:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.77		0.77	0.16	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Arsenic	3.0		0.39	0.18	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Barium	11		0.39	0.071	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Beryllium	0.18		0.15	0.034	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Cadmium	0.14	B	0.077	0.022	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Calcium	180000	B	77	25	mg/Kg	☼	03/14/16 09:51	03/15/16 19:53	10
Chromium	8.4	B	1.9	0.067	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Cobalt	2.5		0.19	0.044	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Copper	6.9		0.39	0.084	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Iron	4600	B	7.7	3.0	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Lead	23		0.19	0.096	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Magnesium	110000	B	39	16	mg/Kg	☼	03/14/16 09:51	03/15/16 19:53	10
Manganese	240	B	0.39	0.077	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Nickel	8.7	B	0.39	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Potassium	650		19	3.2	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Selenium	<0.39		0.39	0.19	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Silver	<0.19		0.19	0.045	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Sodium	610		39	5.1	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Thallium	<0.39		0.39	0.19	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Vanadium	9.9		0.19	0.057	mg/Kg	☼	03/14/16 09:51	03/14/16 21:26	1
Zinc	290		0.77	0.25	mg/Kg	☼	03/14/16 09:51	03/15/16 19:39	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		03/15/16 14:30	03/16/16 11:10	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		03/15/16 14:30	03/16/16 12:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10	J	17	8.7	ug/Kg	☼	03/15/16 16:45	03/16/16 18:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			03/10/16 15:12	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-2(0-1)-030816

Lab Sample ID: 500-108493-3

Date Collected: 03/08/16 09:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 13:11	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 13:11	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/10/16 13:11	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 13:11	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/10/16 13:11	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 13:11	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 13:11	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 13:11	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 13:11	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 13:11	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 13:11	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/10/16 13:11	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 13:11	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/10/16 13:11	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 13:11	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 13:11	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 13:11	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 13:11	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 13:11	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 13:11	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 13:11	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		03/10/16 13:11	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 13:11	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 13:11	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 13:11	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 13:11	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 13:11	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 13:11	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 13:11	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/10/16 13:11	1
Dibromofluoromethane	98		75 - 120		03/10/16 13:11	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 13:11	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 13:11	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	42	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-2(0-1)-030816

Lab Sample ID: 500-108493-3

Date Collected: 03/08/16 09:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.8

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	88	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
3,3'-Dichlorobenzidine	<190 *		190	54	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Acenaphthylene	22 J		38	5.1	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Anthracene	19 J		38	6.4	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Benzo[a]anthracene	150 *		38	5.2	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Benzo[a]pyrene	190 *		38	7.5	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Benzo[b]fluoranthene	250 *		38	8.3	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Benzo[g,h,i]perylene	180 *		38	12	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Benzo[k]fluoranthene	130 *		38	11	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Bis(2-ethylhexyl) phthalate	190 *		190	70	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Butyl benzyl phthalate	<190 *		190	73	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Carbazole	<190		190	96	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Chrysene	180 *		38	11	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Dibenz(a,h)anthracene	<38 *		38	7.5	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Fluoranthene	160		38	7.1	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Hexachloroethane	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-2(0-1)-030816

Lab Sample ID: 500-108493-3

Date Collected: 03/08/16 09:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.8

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	<38	*	38	10	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Isophorone	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Phenanthrene	59		38	5.4	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Phenol	<190		190	86	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1
Pyrene	450	*	38	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137	03/10/16 14:49	03/14/16 19:54	1
2-Fluorobiphenyl	114		25 - 119	03/10/16 14:49	03/14/16 19:54	1
2-Fluorophenol	93		25 - 110	03/10/16 14:49	03/14/16 19:54	1
Nitrobenzene-d5	100		25 - 115	03/10/16 14:49	03/14/16 19:54	1
Phenol-d5	97		31 - 110	03/10/16 14:49	03/14/16 19:54	1
Terphenyl-d14	225	X *	36 - 134	03/10/16 14:49	03/14/16 19:54	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		03/15/16 08:29	03/16/16 03:21	1
Barium	0.26	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:21	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:21	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:21	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:21	1
Manganese	0.030		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:21	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:21	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:21	1
Zinc	0.17	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:21	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		03/15/16 08:34	03/15/16 23:45	1
Barium	0.18	J	0.50	0.050	mg/L		03/15/16 08:34	03/15/16 23:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/15/16 23:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/15/16 23:45	1
Chromium	0.061		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:45	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:45	1
Copper	0.056		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:45	1
Iron	42		0.40	0.20	mg/L		03/15/16 08:34	03/15/16 23:45	1
Lead	0.20		0.0075	0.0075	mg/L		03/15/16 08:34	03/15/16 23:45	1
Manganese	0.60		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:45	1
Nickel	0.036		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:45	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/15/16 23:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-2(0-1)-030816

Lab Sample ID: 500-108493-3

Date Collected: 03/08/16 09:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.8

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		03/15/16 08:34	03/15/16 23:45	1
Zinc	2.2		0.50	0.020	mg/L		03/15/16 08:34	03/15/16 23:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.1	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Arsenic	3.0		0.54	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Barium	33		0.54	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Beryllium	0.29		0.22	0.047	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Cadmium	0.28	B	0.11	0.032	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Calcium	110000	B	110	35	mg/Kg	☼	03/14/16 09:51	03/15/16 20:03	10
Chromium	15	B	2.7	0.094	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Cobalt	4.8		0.27	0.062	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Copper	18		0.54	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Iron	8000	B	11	4.2	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Lead	110		0.27	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Magnesium	49000	B	5.4	2.2	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Manganese	380	B	0.54	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Nickel	9.5	B	0.54	0.15	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Potassium	690		27	4.4	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Selenium	0.37	J	0.54	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Sodium	1000		54	7.2	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Vanadium	11		0.27	0.080	mg/Kg	☼	03/14/16 09:51	03/14/16 21:31	1
Zinc	76		1.1	0.34	mg/Kg	☼	03/14/16 09:51	03/15/16 19:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 11:16	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		03/15/16 14:30	03/16/16 12:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	9.3	ug/Kg	☼	03/15/16 16:45	03/16/16 18:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00		0.200	0.200	SU			03/10/16 15:14	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-1(0-1)-030816

Lab Sample ID: 500-108493-4

Date Collected: 03/08/16 09:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 81.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.7	ug/Kg	☼		03/10/16 13:36	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 13:36	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/10/16 13:36	1
Bromoform	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 13:36	1
Bromomethane	<6.1 *		6.1	2.3	ug/Kg	☼		03/10/16 13:36	1
Carbon disulfide	<6.1		6.1	2.3	ug/Kg	☼		03/10/16 13:36	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 13:36	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 13:36	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		03/10/16 13:36	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 13:36	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 13:36	1
cis-1,2-Dichloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 13:36	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 13:36	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/10/16 13:36	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 13:36	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		03/10/16 13:36	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 13:36	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/10/16 13:36	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 13:36	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 13:36	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/10/16 13:36	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/10/16 13:36	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 13:36	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 13:36	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 13:36	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 13:36	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.97	ug/Kg	☼		03/10/16 13:36	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 13:36	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/10/16 13:36	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 13:36	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 13:36	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 13:36	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 13:36	1
Trichloroethene	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 13:36	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 13:36	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		03/10/16 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/10/16 13:36	1
Dibromofluoromethane	97		75 - 120		03/10/16 13:36	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/10/16 13:36	1
Toluene-d8 (Surr)	114		75 - 122		03/10/16 13:36	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	☼	03/10/16 14:49	03/14/16 20:18	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-1(0-1)-030816

Lab Sample ID: 500-108493-4

Date Collected: 03/08/16 09:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2-Methylphenol	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
3,3'-Dichlorobenzidine	<200 *		200	56	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Anthracene	<40		40	6.7	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Benzo[a]anthracene	19	J *	40	5.4	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Benzo[a]pyrene	<40 *		40	7.8	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Benzo[b]fluoranthene	<40 *		40	8.7	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Benzo[g,h,i]perylene	<40 *		40	13	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Benzo[k]fluoranthene	<40 *		40	12	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Bis(2-ethylhexyl) phthalate	130	J *	200	73	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Butyl benzyl phthalate	<200 *		200	76	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Carbazole	<200		200	100	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Chrysene	27	J *	40	11	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Dibenz(a,h)anthracene	<40 *		40	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Dibenzofuran	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Fluoranthene	20	J	40	7.4	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Fluorene	<40		40	5.6	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Hexachloroethane	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-1(0-1)-030816

Lab Sample ID: 500-108493-4

Date Collected: 03/08/16 09:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 81.6

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	<40	*	40	10	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Isophorone	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Naphthalene	<40		40	6.2	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Nitrobenzene	<40		40	10	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Phenanthrene	12	J	40	5.6	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Phenol	<200		200	89	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1
Pyrene	65	*	40	8.0	ug/Kg	☼	03/10/16 14:49	03/14/16 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		35 - 137	03/10/16 14:49	03/14/16 20:18	1
2-Fluorobiphenyl	85		25 - 119	03/10/16 14:49	03/14/16 20:18	1
2-Fluorophenol	54		25 - 110	03/10/16 14:49	03/14/16 20:18	1
Nitrobenzene-d5	73		25 - 115	03/10/16 14:49	03/14/16 20:18	1
Phenol-d5	77		31 - 110	03/10/16 14:49	03/14/16 20:18	1
Terphenyl-d14	201	X *	36 - 134	03/10/16 14:49	03/14/16 20:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Barium	0.31	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:26	1
Manganese	0.031		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:26	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:26	1
Zinc	0.16	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/15/16 08:34	03/15/16 23:49	1
Barium	0.21	J	0.50	0.050	mg/L		03/15/16 08:34	03/15/16 23:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/15/16 23:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/15/16 23:49	1
Chromium	0.040		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:49	1
Copper	0.043		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:49	1
Iron	35		0.40	0.20	mg/L		03/15/16 08:34	03/15/16 23:49	1
Lead	0.036		0.0075	0.0075	mg/L		03/15/16 08:34	03/15/16 23:49	1
Manganese	0.60		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:49	1
Nickel	0.025		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/15/16 23:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL7-1(0-1)-030816

Lab Sample ID: 500-108493-4

Date Collected: 03/08/16 09:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 81.6

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		03/15/16 08:34	03/15/16 23:49	1
Zinc	0.30	J	0.50	0.020	mg/L		03/15/16 08:34	03/15/16 23:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	0.96	0.20	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Arsenic	3.8		0.48	0.22	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Barium	63		0.48	0.088	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Beryllium	0.28		0.19	0.042	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Cadmium	0.20	B	0.096	0.028	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Calcium	66000	B	96	31	mg/Kg	☼	03/14/16 09:51	03/15/16 20:12	10
Chromium	10	B	2.4	0.083	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Cobalt	6.7		0.24	0.054	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Copper	20		0.48	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Iron	8800	B	9.6	3.7	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Lead	38		0.24	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Magnesium	30000	B	4.8	1.9	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Manganese	540	B	0.48	0.095	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Nickel	10	B	0.48	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Potassium	700		24	3.9	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Selenium	0.42	J	0.48	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Sodium	520		48	6.3	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Vanadium	15		0.24	0.070	mg/Kg	☼	03/14/16 09:51	03/14/16 21:36	1
Zinc	60		0.96	0.30	mg/Kg	☼	03/14/16 09:51	03/15/16 20:07	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		03/15/16 14:30	03/16/16 11:18	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		03/15/16 14:30	03/16/16 12:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	41		18	9.5	ug/Kg	☼	03/15/16 16:45	03/16/16 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.68		0.200	0.200	SU			03/10/16 15:17	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
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.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108493 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Scientific Inc
Address: 303 Plaza Circle, Ste 200
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 28.31/21.45
Stella

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
WESTON				7	7	7	7	7			
Project Name		Lab Project #		VOC		SVOC		Total Metals		TCU P/S/PLP METALS	
IDOT 039											
Project Location/State		Lab PM									
WILMINGTON, IL		DICK WRIGHT									
Sampler		Sample ID		# of Containers		Matrix					
A. SIMPSON											
Lab ID	MS/MSD	Date	Time	# of Containers	Matrix						
1		030816	0840	2	S	X	X	X	X	X	
2		030816	0910	2	S	X	X	X	X	X	
3			0925	2	S	X	X	X	X	X	
4			0940	2	S	X	X	X	X	X	
5			1000	2	S	X	X	X	X	X	
6			1000	2	S	X	X	X	X	X	
7			1010	2	S	X	X	X	X	X	
8			1015	2	S	X	X	X	X	X	
9			1025	2	S	X	X	X	X	X	
10			1040	2	S	X	X	X	X	X	

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other 2-3 weeks
 Requested Due Date: _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>A.S.</u> Company: <u>WESTON</u> Date: <u>030816</u> Time: <u>1540</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>1540</u>	Lab Courier: <u>JR</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>1045</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>3/8/16</u> Time: <u>1045</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusjner
Company: Weston Solutions
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>WESTON</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM											
<u>100T 039</u>		<u>WILMINGTON, IL</u>				<u>A-SIMPSON</u>		<u>DICK WRIGHT</u>											
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	Trace/SLP Metals	GM							Comments	
			Date	Time															
<u>11</u>		<u>AL9-1(0-1)-030816</u>	<u>3/8/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>12</u>		<u>RL0-3(0-1)-030816</u>		<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>13</u>		<u>RL0-2(0-1)-030816</u>		<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>14</u>		<u>RL0-1(0-1)-070816</u>		<u>1135</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>15</u>		<u>AL12-6(0-1)-030816</u>		<u>1145</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>16</u>		<u>AL12-5(0-1)-030816</u>		<u>1155</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>17</u>		<u>AL12-4(0-1)-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>18</u>		<u>AL12-4(0-1)D-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>19</u>		<u>AL12-3(0-1)-030816</u>		<u>1225</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>20</u>		<u>AL12-2(0-1)-030816</u>		<u>1240</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 30 business Other
 Requested Due Date _____

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

Relinquished By <u>RZ</u> Company <u>WESTON</u> Date <u>3/8/16</u> Time <u>15:40</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>15:40</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Shipped
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18400 IL 102 (ISGS Site No. 2946-8)

City: Wesley Township 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: 41.224717488 Longitude: -88.038450477
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.224717488 Longitude: -88.038450477

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 PP-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2946-8. SEE FIGURE 3-13 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108388-1.
ALSO SEE FIGURE 4-13 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	PP-1(0-1)-030416	Soil Reference Concentrations^A
Sample Date	3/4/2016	
Location ID	PP-1	
Depth	0 - 1	
ISGS Site No.	2946-8	
Parameter		
Laboratory pH (s.u.)	7.72	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Benzo(a)anthracene	17 J	900 / 1100 / 1800
Benzo(a)pyrene	13 J	90 / 1300 / 2100
Benzo(b)fluoranthene	43	900 / 1500 / 2100
bis(2-Ethylhexyl)phthalate	240	46000
Chrysene	22 J	88000
Fluoranthene	35 J	3100000
Phenanthrene	15 J	---
Pyrene	36 J	2300000
Total Metals (mg/kg)		
Antimony, Total	0.27 J	5
Arsenic, Total	4	11.3 / 13
Barium, Total	57 J	1500
Beryllium, Total	0.36	22
Cadmium, Total	0.18	5.2
Calcium, Total	110000 J	---
Chromium, Total	8.8 J-	21
Cobalt, Total	5.1 J	20
Copper, Total	11 J-	2900
Iron, Total	8700 J+	15000 / 15900
Lead, Total	25 J	107
Magnesium, Total	54000 J	325000
Manganese, Total	450 J	630 / 636
Nickel, Total	9.8 B	100
Potassium, Total	800 J	---
Selenium, Total	0.36 J	1.3
Sodium, Total	500	---
Vanadium, Total	14	550
Zinc, Total	41 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.36 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	0.0023 J	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.21	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.029 J	0.05
Barium, SPLP	0.34 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.087	0.1
Cobalt, SPLP	0.016 J	1
Copper, SPLP	0.066	0.65
Iron, SPLP	80 J+	5
Lead, SPLP	0.11	0.0075
Manganese, SPLP	0.99	0.15
Nickel, SPLP	0.06	0.1
Zinc, SPLP	0.3 J	5

Summary Table of ISGS Site No. 2946-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, 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.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108388-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/14/2016 2:39:41 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108388-1

Client Sample ID: PP-1(0-1)-030416

Lab Sample ID: 500-108388-6

Date Collected: 03/04/16 15:15

Matrix: Solid

Date Received: 03/04/16 16:50

Percent Solids: 82.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/05/16 19:06	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/05/16 19:06	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/05/16 19:06	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/05/16 19:06	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		03/05/16 19:06	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/05/16 19:06	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/05/16 19:06	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/05/16 19:06	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/05/16 19:06	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/05/16 19:06	1
Chloromethane	<6.0		6.0	1.5	ug/Kg	☼		03/05/16 19:06	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/05/16 19:06	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/05/16 19:06	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/05/16 19:06	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/05/16 19:06	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		03/05/16 19:06	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/05/16 19:06	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/05/16 19:06	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/05/16 19:06	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/05/16 19:06	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/05/16 19:06	1
Methylene Chloride	<6.0		6.0	4.6	ug/Kg	☼		03/05/16 19:06	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		03/05/16 19:06	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/05/16 19:06	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/05/16 19:06	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/05/16 19:06	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		03/05/16 19:06	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		03/05/16 19:06	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/05/16 19:06	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/05/16 19:06	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/05/16 19:06	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/05/16 19:06	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/05/16 19:06	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/05/16 19:06	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/05/16 19:06	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/05/16 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/05/16 19:06	1
Dibromofluoromethane	107		75 - 120		03/05/16 19:06	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/05/16 19:06	1
Toluene-d8 (Surr)	108		75 - 122		03/05/16 19:06	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	42	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108388-1

Client Sample ID: PP-1(0-1)-030416

Lab Sample ID: 500-108388-6

Date Collected: 03/04/16 15:15

Matrix: Solid

Date Received: 03/04/16 16:50

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2-Methylphenol	<200		200	63	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Anthracene	<39		39	6.5	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Benzo[a]anthracene	17 J		39	5.3	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Benzo[a]pyrene	13 J		39	7.6	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Benzo[b]fluoranthene	43		39	8.4	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Bis(2-ethylhexyl) phthalate	240		200	71	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Carbazole	<200		200	98	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Chrysene	22 J		39	11	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Fluoranthene	35 J		39	7.2	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Fluorene	<39		39	5.5	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Hexachloroethane	<200		200	59	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108388-1

Client Sample ID: PP-1(0-1)-030416

Lab Sample ID: 500-108388-6

Date Collected: 03/04/16 15:15

Matrix: Solid

Date Received: 03/04/16 16:50

Percent Solids: 82.8

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	<39		39	10	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Isophorone	<200		200	44	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Naphthalene	<39		39	6.0	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Phenanthrene	15	J	39	5.4	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Phenol	<200		200	87	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Pyrene	36	J	39	7.8	ug/Kg	☼	03/07/16 16:59	03/09/16 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137				03/07/16 16:59	03/09/16 03:38	1
2-Fluorobiphenyl	82		25 - 119				03/07/16 16:59	03/09/16 03:38	1
2-Fluorophenol	69		25 - 110				03/07/16 16:59	03/09/16 03:38	1
Nitrobenzene-d5	75		25 - 115				03/07/16 16:59	03/09/16 03:38	1
Phenol-d5	60		31 - 110				03/07/16 16:59	03/09/16 03:38	1
Terphenyl-d14	123		36 - 134				03/07/16 16:59	03/09/16 03:38	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		03/08/16 14:47	03/09/16 14:28	1
Barium	0.36	J	0.50	0.050	mg/L		03/08/16 14:47	03/09/16 14:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/08/16 14:47	03/09/16 14:28	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/08/16 14:47	03/09/16 14:28	1
Chromium	<0.025		0.025	0.010	mg/L		03/08/16 14:47	03/09/16 14:28	1
Cobalt	<0.025		0.025	0.010	mg/L		03/08/16 14:47	03/09/16 14:28	1
Copper	<0.025		0.025	0.010	mg/L		03/08/16 14:47	03/09/16 14:28	1
Iron	<0.40		0.40	0.20	mg/L		03/08/16 14:47	03/09/16 14:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/08/16 14:47	03/09/16 14:28	1
Manganese	0.21		0.025	0.010	mg/L		03/08/16 14:47	03/09/16 14:28	1
Nickel	<0.025		0.025	0.010	mg/L		03/08/16 14:47	03/09/16 14:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/08/16 14:47	03/09/16 14:28	1
Silver	<0.025		0.025	0.010	mg/L		03/08/16 14:47	03/09/16 14:28	1
Zinc	0.041	J B	0.50	0.020	mg/L		03/08/16 14:47	03/09/16 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		03/09/16 08:45	03/10/16 06:40	1
Barium	0.34	J	0.50	0.050	mg/L		03/09/16 08:45	03/10/16 06:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/09/16 08:45	03/10/16 06:40	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		03/09/16 08:45	03/10/16 06:40	1
Chromium	0.087		0.025	0.010	mg/L		03/09/16 08:45	03/10/16 06:40	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/09/16 08:45	03/10/16 06:40	1
Copper	0.066		0.025	0.010	mg/L		03/09/16 08:45	03/10/16 06:40	1
Iron	80		0.40	0.20	mg/L		03/09/16 08:45	03/10/16 06:40	1
Lead	0.11		0.0075	0.0075	mg/L		03/09/16 08:45	03/10/16 06:40	1
Manganese	0.99		0.025	0.010	mg/L		03/09/16 08:45	03/10/16 06:40	1
Nickel	0.060		0.025	0.010	mg/L		03/09/16 08:45	03/10/16 06:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/09/16 08:45	03/10/16 06:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108388-1

Client Sample ID: PP-1(0-1)-030416

Lab Sample ID: 500-108388-6

Date Collected: 03/04/16 15:15

Matrix: Solid

Date Received: 03/04/16 16:50

Percent Solids: 82.8

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		03/09/16 08:45	03/10/16 06:40	1
Zinc	0.30	J	0.50	0.020	mg/L		03/09/16 08:45	03/10/16 06:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.1	0.23	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Arsenic	4.0		0.56	0.26	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Barium	57		0.56	0.10	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Beryllium	0.36		0.22	0.049	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Cadmium	0.18		0.11	0.032	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Calcium	110000		110	36	mg/Kg	☼	03/06/16 09:10	03/07/16 12:58	10
Chromium	8.8	B	0.56	0.096	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Cobalt	5.1		0.28	0.063	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Copper	11		0.56	0.12	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Iron	8700	B	11	4.3	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Lead	25		0.28	0.14	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Magnesium	54000		5.6	2.3	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Manganese	450		0.56	0.11	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Nickel	9.8	B	0.56	0.15	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Potassium	800		28	4.6	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Selenium	0.36	J	0.56	0.28	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Sodium	500		56	7.4	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Vanadium	14		0.28	0.082	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	1
Zinc	41		1.1	0.35	mg/Kg	☼	03/06/16 09:10	03/07/16 10:42	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		03/08/16 19:15	03/09/16 13:23	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		03/08/16 19:15	03/10/16 14:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<20		20	11	ug/Kg	☼	03/07/16 19:00	03/11/16 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.72		0.200	0.200	SU			03/07/16 16:24	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108388-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

GC 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.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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
F3	Duplicate RPD exceeds the control limit

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108388-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Report To <u>S. Babushkumar</u>	Bill To
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Phone: <u>224-864-7250</u>	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108388

Chain of Custody Number: _____

Page 3 of 3

Temperature °C of Cooler: 27

Client		Client Project #		Preservative		Parameter						Preservative Key 1. HCL, Cool to 4° Cool to 4° Cool to 4° Cool to 4° Cool to 4°		
Project Name														
Project Location/State		Lab Project #												
Sampler		Lab PM										500-108388 COC		
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP / SPLP Metals		pH	PCBs
		Date	Time											
1		VL60-1(0-1)-030416		3/4/16	1344	2	S	X	X	X	X	X	X	
2		VL60-1(0-1)-030416D		3/4/16	1344	2	S	X	X	X	X	X	X	
3		VL60-2(0-1)-030416		3/4/16	1405	2	S	X	X	X	X	X	X	
4		VL60-3(0-1)-030416		3/4/16	1420	2	S	X	X	X	X	X	X	
5		APS-1(0-1)-030416		3/4/16	1435	2	S	X	X	X	X	X	X	
6		PP-1(0-1)-030416		3/4/16	1515	2	S	X	X	X	X	X	X	

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By: <u>Alak Mehta</u> Company: <u>WESTON</u> Date: <u>3/4/16</u> Time: <u>1555</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/4/16</u> Time: <u>1555</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/4/16</u> Time: <u>1650</u>	Received By: <u>[Signature]</u> Company: <u>TACHC</u> Date: <u>03/04/16</u> Time: <u>16:50</u>

Lab Courier: TA-CHI

Shipped: _____

Hand Delivered: _____

Matrix Key

WW - Wastewater	SE - Sediment
W - Water	SO - Soil
S - Soil	L - Leachate
SL - Sludge	WI - Wipe
MS - Miscellaneous	DW - Drinking Water
OL - Oil	O - Other
A - Air	

Client Comments:

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18000 block of IL 102 (ISGS Site No. 2946-9)

City: Wesley Township 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: 41.228950651 Longitude: -88.046720647
(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.228950651 Longitude: -88.046720647

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 AL9-1 THROUGH AL9-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-9. SEE FIGURES 3-12 AND 3-13 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108493-1.
ALSO SEE FIGURES 4-12 AND 4-13 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL9-1(0-1)-030816	AL9-2(0-1)-030816	AL9-3(0-1)-030816	AL9-4(0-1)-030816	AL9-5(0-1)-030816	AL9-6(0-1)-030816	AL9-6(0-1)-030816D	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	
Location ID	AL9-1	AL9-2	AL9-3	AL9-4	AL9-5	AL9-6	AL9-6	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-9	2946-9	2946-9	2946-9	2946-9	2946-9	2946-9	
Parameter								
Laboratory pH (s.u.)	7.57	8.09	7.88	7.99	7.64	8.18	8.34	<6.25,>9.0
VOCs (ug/kg)	None Detected							
SVOCs (ug/kg)								
2-Methylnaphthalene	ND	8.2 J	ND	ND	ND	ND	ND	---
Acenaphthene	ND	37	20 J	ND	ND	ND	ND	570000
Acenaphthylene	23 J	41	9.9 J	5.8 J	17 J	ND	ND	---
Anthracene	13 J	82	65	7.2 J	18 J	ND	ND	1.20E+07
Benzo(a)anthracene	81	400 J	250 J	44 J	110 J	25 J	36 J	900 / 1100 / 1800
Benzo(a)pyrene	110 J	400 J	220 J	65 J	140 J	46 J	47 J	90 / 1300 / 2100
Benzo(b)fluoranthene	200 J	610 J	290 J	100 J	170 J	68 J	49 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	63 J	330 J	130 J	31 J	68 J	50 J	ND	---
Benzo(k)fluoranthene	100 J	190 J	120 J	55 J	110 J	26 J	42 J	9000
bis(2-Ethylhexyl)phthalate	110 J	140 J	180 J	1200 J	ND	180 J	ND	46000
Butyl benzyl phthalate	ND	110 J	ND	ND	160 J	ND	ND	930000
Chrysene	120	440 J	240 J	75 J	130 J	42 J	49 J	88000
Dibenzo(a,h)anthracene	16 J	88 J	ND	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	180	490	320	79	100	33 J	42	3100000
Fluorene	ND	30 J	19 J	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	57 J	310 J	120 J	ND	48 J	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	16 J	ND	ND	ND	ND	ND	1800
Phenanthrene	74	370	300	37	72	27 J	43	---
Pyrene	280	1400 J	890 J	200 J	340 J	110 J	170 J	2300000
Total Metals (mg/kg)								
Antimony, Total	0.24 J	0.28 J	ND	0.22 J	0.26 J	ND	ND	5
Arsenic, Total	4.4 J+	2.4 J+	4 J+	3.5 J+	1.8 J+	6 J+	4.7 J+	11.3 / 13
Barium, Total	67	49	87	38	29	80	70	1500
Beryllium, Total	0.32	0.31	0.35	0.36	0.25	0.45	0.4	22
Calcium, Total	80000 J	110000 J	63000 J	110000 J	200000 J	17000 J	30000 J	---
Chromium, Total	9.2 B	12 B	14 B	8.3 B	ND	15 J	50 J	21
Cobalt, Total	6.5	4.3	8.2	4.7	3.5	8.9	7.6	20
Copper, Total	18 J-	14 J-	17 J-	14 J-	7.4 J-	16 J-	16 J-	2900
Iron, Total	11000 J-	7500 J-	10000 J-	8500 J-	6900 J-	15000 J-	12000 J-	15000 / 15900
Lead, Total	69 J-	120 J-	79 J-	93 J-	55 J-	40 J	270 J	107
Magnesium, Total	27000 J	46000 J	26000 J	45000 J	120000 J	12000 J	19000 J	325000
Manganese, Total	580 J	410 J	590 J	410 J	410 J	610 J	520 J	630 / 636
Mercury, Total	0.044	0.023	0.024	0.024	0.032	0.044	0.03	0.89
Nickel, Total	11 J	8.5 J	12 J	9.5 J	6.6 J	16 J	14 J	100
Potassium, Total	570 J+	780 J+	720 J+	700 J+	790 J+	860 J+	780 J+	---
Selenium, Total	0.35 J	0.54 J	0.47 J	0.38 J	0.23 J	0.53 J	0.64	1.3
Sodium, Total	470	620	930	520	520	1500	1200	---
Vanadium, Total	12	9.9	17	11	7.4	24	18	550
Zinc, Total	78 J	60 J	72 J	64 J	41 J	65 J	70 J	5100

Summary Table of ISGS Site No. 2946-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL9-1(0-1)-030816	AL9-2(0-1)-030816	AL9-3(0-1)-030816	AL9-4(0-1)-030816	AL9-5(0-1)-030816	AL9-6(0-1)-030816	AL9-6(0-1)-030816D	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	
Location ID	AL9-1	AL9-2	AL9-3	AL9-4	AL9-5	AL9-6	AL9-6	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-9	2946-9	2946-9	2946-9	2946-9	2946-9	2946-9	
Parameter								
TCLP Metals (mg/l)								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.34 J	0.28 J	0.41 J	0.27 J	0.21 J	0.32 J	0.41 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.004
Chromium, TCLP	0.012 J	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	ND	ND	0.056	0.026	0.06	0.014 J	0.041	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	0.31 J	ND	0.29 J	ND	0.35 J	ND	5
SPLP Metals (mg/l)								
Arsenic, SPLP	ND	ND	0.024 J	ND	ND	0.027 J	0.033 J	0.05
Barium, SPLP	0.11 J	0.12 J	0.38 J	0.13 J	0.072 J	0.54	0.55	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.0052	0.0046	0.004
Chromium, SPLP	0.02 J	0.028	0.084	0.031	0.017 J	0.13	0.12	0.1
Cobalt, SPLP	ND	ND	0.014 J	ND	ND	0.022 J	0.023 J	1
Copper, SPLP	0.02 J	0.03	0.078	0.03	0.014 J	0.11	0.1	0.65
Iron, SPLP	15 J+	19 J+	77 J+	26 J+	12 J+	120 J+	110 J+	5
Lead, SPLP	0.051	0.15	0.17	0.098	0.11	0.25	0.25	0.0075
Manganese, SPLP	0.23	0.33	0.97	0.36	0.27	1.3	1.3	0.15
Mercury, SPLP	0.044	0.023	0.024	0.024	0.032	0.044	0.03	0.002
Nickel, SPLP	0.01 J	0.015 J	0.059	0.02 J	ND	0.093	0.091	0.1
Zinc, SPLP	0.31 J	0.21 J	0.35 J	0.15 J	0.19 J	1	0.76	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.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108493-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/18/2016 4:06:46 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816

Lab Sample ID: 500-108493-5

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/10/16 14:01	1
Benzene	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 14:01	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/10/16 14:01	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 14:01	1
Bromomethane	<6.1	*	6.1	2.2	ug/Kg	☼		03/10/16 14:01	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 14:01	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 14:01	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 14:01	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		03/10/16 14:01	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 14:01	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 14:01	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 14:01	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 14:01	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/10/16 14:01	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 14:01	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		03/10/16 14:01	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 14:01	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/10/16 14:01	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 14:01	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 14:01	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/10/16 14:01	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/10/16 14:01	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 14:01	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 14:01	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 14:01	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 14:01	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.97	ug/Kg	☼		03/10/16 14:01	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 14:01	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/10/16 14:01	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 14:01	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 14:01	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 14:01	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 14:01	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		03/10/16 14:01	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 14:01	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 14:01	1
Dibromofluoromethane	100		75 - 120		03/10/16 14:01	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/10/16 14:01	1
Toluene-d8 (Surr)	112		75 - 122		03/10/16 14:01	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	☼	03/10/16 14:49	03/14/16 20:42	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816

Lab Sample ID: 500-108493-5

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.2

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	☼	03/10/16 14:49	03/14/16 20:42	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2-Methylphenol	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
3,3'-Dichlorobenzidine	<200 *		200	56	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Anthracene	<40		40	6.7	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Benzo[a]anthracene	25	J *	40	5.4	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Benzo[a]pyrene	46	*	40	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Benzo[b]fluoranthene	68	*	40	8.6	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Benzo[g,h,i]perylene	50	*	40	13	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Benzo[k]fluoranthene	26	J *	40	12	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Bis(2-ethylhexyl) phthalate	180	J *	200	73	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Butyl benzyl phthalate	<200 *		200	76	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Carbazole	<200		200	100	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Chrysene	42	*	40	11	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Dibenz(a,h)anthracene	<40 *		40	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Dibenzofuran	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Fluoranthene	33	J	40	7.4	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Fluorene	<40		40	5.6	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Hexachloroethane	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816

Lab Sample ID: 500-108493-5

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.2

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	<40	*	40	10	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Isophorone	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Naphthalene	<40		40	6.2	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Nitrobenzene	<40		40	10	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Phenanthrene	27	J	40	5.6	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Phenol	<200		200	89	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1
Pyrene	110	*	40	7.9	ug/Kg	☼	03/10/16 14:49	03/14/16 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137	03/10/16 14:49	03/14/16 20:42	1
2-Fluorobiphenyl	100		25 - 119	03/10/16 14:49	03/14/16 20:42	1
2-Fluorophenol	62		25 - 110	03/10/16 14:49	03/14/16 20:42	1
Nitrobenzene-d5	80		25 - 115	03/10/16 14:49	03/14/16 20:42	1
Phenol-d5	81		31 - 110	03/10/16 14:49	03/14/16 20:42	1
Terphenyl-d14	253	X *	36 - 134	03/10/16 14:49	03/14/16 20:42	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		03/15/16 08:29	03/16/16 03:32	1
Barium	0.32	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:32	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:32	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:32	1
Manganese	0.014	J	0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:32	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:32	1
Zinc	0.35	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		03/15/16 08:34	03/15/16 23:53	1
Barium	0.54		0.50	0.050	mg/L		03/15/16 08:34	03/15/16 23:53	1
Beryllium	0.0052		0.0040	0.0040	mg/L		03/15/16 08:34	03/15/16 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/15/16 23:53	1
Chromium	0.13		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:53	1
Cobalt	0.022	J	0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:53	1
Copper	0.11		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:53	1
Iron	120		0.40	0.20	mg/L		03/15/16 08:34	03/15/16 23:53	1
Lead	0.25		0.038	0.038	mg/L		03/15/16 08:34	03/16/16 19:40	5
Manganese	1.3		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:53	1
Nickel	0.093		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/15/16 23:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816

Lab Sample ID: 500-108493-5

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.2

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		03/15/16 08:34	03/15/16 23:53	1
Zinc	1.0		0.50	0.020	mg/L		03/15/16 08:34	03/15/16 23:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Arsenic	6.0		0.56	0.26	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Barium	80		0.56	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Beryllium	0.45		0.22	0.049	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Cadmium	0.13	B	0.11	0.033	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Calcium	17000	B	11	3.6	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Chromium	15	B	2.8	0.097	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Cobalt	8.9		0.28	0.063	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Copper	16		0.56	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Iron	15000	B	11	4.3	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Lead	40		0.28	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Magnesium	12000	B	5.6	2.3	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Manganese	610	B	0.56	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Nickel	16	B	0.56	0.15	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Potassium	860		28	4.6	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Selenium	0.53	J	0.56	0.28	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Sodium	1500		56	7.4	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Vanadium	24		0.28	0.082	mg/Kg	☼	03/14/16 09:51	03/14/16 21:41	1
Zinc	65		1.1	0.36	mg/Kg	☼	03/14/16 09:51	03/15/16 20:17	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		03/15/16 14:30	03/16/16 11:20	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		03/15/16 14:30	03/17/16 14:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	44		18	9.6	ug/Kg	☼	03/15/16 16:45	03/16/16 18:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18		0.200	0.200	SU			03/10/16 15:20	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816D

Lab Sample ID: 500-108493-6

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/10/16 14:26	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 14:26	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		03/10/16 14:26	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 14:26	1
Bromomethane	<5.9 *		5.9	2.2	ug/Kg	☼		03/10/16 14:26	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/10/16 14:26	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 14:26	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/10/16 14:26	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 14:26	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 14:26	1
cis-1,3-Dichloropropene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/10/16 14:26	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 14:26	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		03/10/16 14:26	1
1,1-Dichloroethene	<5.9		5.9	2.2	ug/Kg	☼		03/10/16 14:26	1
1,2-Dichloropropane	<5.9		5.9	1.6	ug/Kg	☼		03/10/16 14:26	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/10/16 14:26	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 14:26	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/10/16 14:26	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		03/10/16 14:26	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 14:26	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 14:26	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		03/10/16 14:26	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 14:26	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 14:26	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 14:26	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/10/16 14:26	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/10/16 14:26	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/10/16 14:26	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 14:26	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 14:26	1
Dibromofluoromethane	99		75 - 120		03/10/16 14:26	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 14:26	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 14:26	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	42	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816D

Lab Sample ID: 500-108493-6

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2-Methylnaphthalene	<39		39	7.1	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2-Methylphenol	<200		200	62	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
3,3'-Dichlorobenzidine	<200 *		200	54	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Anthracene	<39		39	6.5	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Benzo[a]anthracene	36	J *	39	5.2	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Benzo[a]pyrene	47	*	39	7.5	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Benzo[b]fluoranthene	49	*	39	8.4	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Benzo[g,h,i]perylene	<39 *		39	13	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Benzo[k]fluoranthene	42	*	39	11	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Bis(2-ethylhexyl) phthalate	<200 *		200	71	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Butyl benzyl phthalate	<200 *		200	74	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Carbazole	<200		200	97	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Chrysene	49	*	39	11	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Dibenz(a,h)anthracene	<39 *		39	7.5	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Fluoranthene	42		39	7.2	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Fluorene	<39		39	5.5	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Hexachloroethane	<200		200	59	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816D

Lab Sample ID: 500-108493-6

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.3

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	<39	*	39	10	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Isophorone	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Naphthalene	<39		39	6.0	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Phenanthrene	43		39	5.4	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Phenol	<200		200	86	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1
Pyrene	170	*	39	7.7	ug/Kg	☼	03/10/16 14:49	03/14/16 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 137	03/10/16 14:49	03/14/16 21:06	1
2-Fluorobiphenyl	102		25 - 119	03/10/16 14:49	03/14/16 21:06	1
2-Fluorophenol	81		25 - 110	03/10/16 14:49	03/14/16 21:06	1
Nitrobenzene-d5	83		25 - 115	03/10/16 14:49	03/14/16 21:06	1
Phenol-d5	87		31 - 110	03/10/16 14:49	03/14/16 21:06	1
Terphenyl-d14	239	X *	36 - 134	03/10/16 14:49	03/14/16 21:06	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		03/15/16 08:29	03/16/16 03:37	1
Barium	0.41	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:37	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:37	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:37	1
Manganese	0.041		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:37	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:37	1
Zinc	0.056	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		03/15/16 08:34	03/15/16 23:58	1
Barium	0.55		0.50	0.050	mg/L		03/15/16 08:34	03/15/16 23:58	1
Beryllium	0.0046		0.0040	0.0040	mg/L		03/15/16 08:34	03/15/16 23:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/15/16 23:58	1
Chromium	0.12		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:58	1
Cobalt	0.023	J	0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:58	1
Copper	0.10		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:58	1
Iron	110		0.40	0.20	mg/L		03/15/16 08:34	03/15/16 23:58	1
Lead	0.25		0.0075	0.0075	mg/L		03/15/16 08:34	03/15/16 23:58	1
Manganese	1.3		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:58	1
Nickel	0.091		0.025	0.010	mg/L		03/15/16 08:34	03/15/16 23:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/15/16 23:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-6(0-1)-030816D

Lab Sample ID: 500-108493-6

Date Collected: 03/08/16 10:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.3

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		03/15/16 08:34	03/15/16 23:58	1
Zinc	0.76		0.50	0.020	mg/L		03/15/16 08:34	03/15/16 23:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.22	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Arsenic	4.7		0.52	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Barium	70		0.52	0.096	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Beryllium	0.40		0.21	0.045	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Cadmium	0.21	B	0.10	0.030	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Calcium	30000	B	10	3.4	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Chromium	50	B	2.6	0.090	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Cobalt	7.6		0.26	0.059	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Copper	16		0.52	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Iron	12000	B	10	4.0	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Lead	270		0.26	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Magnesium	19000	B	5.2	2.1	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Manganese	520	B	0.52	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Nickel	14	B	0.52	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Potassium	780		26	4.3	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Selenium	0.64		0.52	0.26	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Sodium	1200		52	6.9	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Vanadium	18		0.26	0.076	mg/Kg	☼	03/14/16 09:51	03/14/16 21:46	1
Zinc	70		1.0	0.33	mg/Kg	☼	03/14/16 09:51	03/15/16 20:22	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		03/15/16 14:30	03/16/16 11:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		19	10	ug/Kg	☼	03/15/16 16:45	03/16/16 18:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.34		0.200	0.200	SU			03/10/16 15:22	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-5(0-1)-030816

Lab Sample ID: 500-108493-7

Date Collected: 03/08/16 10:10

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 14:51	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 14:51	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		03/10/16 14:51	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 14:51	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/10/16 14:51	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 14:51	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 14:51	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 14:51	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 14:51	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 14:51	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 14:51	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 14:51	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 14:51	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/10/16 14:51	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 14:51	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		03/10/16 14:51	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 14:51	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 14:51	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 14:51	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 14:51	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 14:51	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 14:51	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 14:51	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 14:51	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 14:51	1
Styrene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 14:51	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.91	ug/Kg	☼		03/10/16 14:51	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 14:51	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 14:51	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 14:51	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 14:51	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 14:51	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 14:51	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 14:51	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 14:51	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/10/16 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 14:51	1
Dibromofluoromethane	97		75 - 120		03/10/16 14:51	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/10/16 14:51	1
Toluene-d8 (Surr)	112		75 - 122		03/10/16 14:51	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	☼	03/10/16 14:49	03/17/16 16:09	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-5(0-1)-030816

Lab Sample ID: 500-108493-7

Date Collected: 03/08/16 10:10

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.8

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	☼	03/10/16 14:49	03/17/16 16:09	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Acenaphthylene	17 J		38	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Anthracene	18 J		38	6.4	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Benzo[a]anthracene	110 *		38	5.1	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Benzo[a]pyrene	140 *		38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Benzo[b]fluoranthene	170 *		38	8.2	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Benzo[g,h,i]perylene	68 *		38	12	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Benzo[k]fluoranthene	110 *		38	11	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Bis(2-ethylhexyl) phthalate	<190 *		190	70	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Butyl benzyl phthalate	160 J *		190	72	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Carbazole	<190		190	95	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Chrysene	130 *		38	10	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Fluoranthene	100		38	7.1	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-5(0-1)-030816

Lab Sample ID: 500-108493-7

Date Collected: 03/08/16 10:10

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.8

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	48	*	38	9.9	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Isophorone	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Phenanthrene	72		38	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Phenol	<190		190	85	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Pyrene	340	*	38	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				03/10/16 14:49	03/17/16 16:09	1
2-Fluorobiphenyl	118		25 - 119				03/10/16 14:49	03/17/16 16:09	1
2-Fluorophenol	113	X	25 - 110				03/10/16 14:49	03/17/16 16:09	1
Nitrobenzene-d5	110		25 - 115				03/10/16 14:49	03/17/16 16:09	1
Phenol-d5	96		31 - 110				03/10/16 14:49	03/17/16 16:09	1
Terphenyl-d14	234	X *	36 - 134				03/10/16 14:49	03/17/16 16:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Barium	0.21	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:42	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:42	1
Manganese	0.060		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:42	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:42	1
Zinc	0.16	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:42	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		03/15/16 08:34	03/16/16 00:03	1
Barium	0.072	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:03	1
Chromium	0.017	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:03	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:03	1
Copper	0.014	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:03	1
Iron	12		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:03	1
Lead	0.11		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:03	1
Manganese	0.27		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:03	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-5(0-1)-030816

Lab Sample ID: 500-108493-7

Date Collected: 03/08/16 10:10

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.8

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		03/15/16 08:34	03/16/16 00:03	1
Zinc	0.19	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	0.83	0.17	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Arsenic	1.8		0.42	0.19	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Barium	29		0.42	0.076	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Beryllium	0.25		0.17	0.036	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Cadmium	0.14	B	0.083	0.024	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Calcium	20000	B	83	27	mg/Kg	☼	03/14/16 09:51	03/15/16 20:32	10
Chromium	6.1	B	2.1	0.072	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Cobalt	3.5		0.21	0.047	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Copper	7.4		0.42	0.090	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Iron	6900	B	8.3	3.2	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Lead	55		0.21	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Magnesium	120000	B	42	17	mg/Kg	☼	03/14/16 09:51	03/15/16 20:32	10
Manganese	410	B	0.42	0.082	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Nickel	6.6	B	0.42	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Potassium	790		21	3.4	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Selenium	0.23	J	0.42	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Silver	<0.21		0.21	0.049	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Sodium	520		42	5.5	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Thallium	<0.42		0.42	0.20	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Vanadium	7.4		0.21	0.061	mg/Kg	☼	03/14/16 09:51	03/14/16 21:51	1
Zinc	41		0.83	0.26	mg/Kg	☼	03/14/16 09:51	03/15/16 20:27	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		03/15/16 14:30	03/16/16 11:24	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		17	8.9	ug/Kg	☼	03/15/16 16:45	03/16/16 18:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.64		0.200	0.200	SU			03/10/16 15:25	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-4(0-1)-030816

Lab Sample ID: 500-108493-8

Date Collected: 03/08/16 10:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 15:16	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/10/16 15:16	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:16	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/10/16 15:16	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:16	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:16	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/10/16 15:16	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 15:16	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:16	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:16	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/10/16 15:16	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:16	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/10/16 15:16	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:16	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 15:16	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 15:16	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:16	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/10/16 15:16	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/10/16 15:16	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 15:16	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:16	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/10/16 15:16	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:16	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 15:16	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:16	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 15:16	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 15:16	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 15:16	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:16	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 15:16	1
Dibromofluoromethane	100		75 - 120		03/10/16 15:16	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/10/16 15:16	1
Toluene-d8 (Surr)	112		75 - 122		03/10/16 15:16	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	☼	03/10/16 14:49	03/18/16 12:30	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-4(0-1)-030816

Lab Sample ID: 500-108493-8

Date Collected: 03/08/16 10:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.3

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	81	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
3,3'-Dichlorobenzidine	<180 *		180	49	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Acenaphthylene	5.8 J		35	4.7	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Anthracene	7.2 J		35	5.9	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Benzo[a]anthracene	44 *		35	4.8	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Benzo[a]pyrene	65 *		35	6.8	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Benzo[b]fluoranthene	100 *		35	7.6	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Benzo[g,h,i]perylene	31 J *		35	11	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Benzo[k]fluoranthene	55 *		35	10	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Bis(2-ethylhexyl) phthalate	1200 *		180	65	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Carbazole	<180		180	88	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Chrysene	75 *		35	9.6	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Dibenz(a,h)anthracene	<35 *		35	6.8	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Fluoranthene	79		35	6.6	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-4(0-1)-030816

Lab Sample ID: 500-108493-8

Date Collected: 03/08/16 10:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.3

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	9.2	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Isophorone	<180		180	40	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Phenanthrene	37		35	4.9	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Phenol	<180		180	79	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1
Pyrene	200	*	35	7.0	ug/Kg	☼	03/10/16 14:49	03/18/16 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		35 - 137	03/10/16 14:49	03/18/16 12:30	1
2-Fluorobiphenyl	75		25 - 119	03/10/16 14:49	03/18/16 12:30	1
2-Fluorophenol	82		25 - 110	03/10/16 14:49	03/18/16 12:30	1
Nitrobenzene-d5	78		25 - 115	03/10/16 14:49	03/18/16 12:30	1
Phenol-d5	77		31 - 110	03/10/16 14:49	03/18/16 12:30	1
Terphenyl-d14	177	X*	36 - 134	03/10/16 14:49	03/18/16 12:30	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		03/15/16 08:29	03/16/16 03:56	1
Barium	0.27	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 03:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 03:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 03:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:56	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:56	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:56	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 03:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 03:56	1
Manganese	0.026		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:56	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 03:56	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 03:56	1
Zinc	0.29	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 03:56	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		03/15/16 08:34	03/16/16 00:07	1
Barium	0.13	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:07	1
Chromium	0.031		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:07	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:07	1
Copper	0.030		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:07	1
Iron	26		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:07	1
Lead	0.098		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:07	1
Manganese	0.36		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:07	1
Nickel	0.020	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:07	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-4(0-1)-030816

Lab Sample ID: 500-108493-8

Date Collected: 03/08/16 10:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.3

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		03/15/16 08:34	03/16/16 00:07	1
Zinc	0.15	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.22	J	1.0	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Arsenic	3.5		0.51	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Barium	38		0.51	0.093	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Beryllium	0.36		0.20	0.044	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Cadmium	0.25	B	0.10	0.030	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Calcium	110000	B	100	33	mg/Kg	☼	03/14/16 09:51	03/15/16 20:50	10
Chromium	8.3	B	2.6	0.088	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Cobalt	4.7		0.26	0.058	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Copper	14		0.51	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Iron	8500	B	10	3.9	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Lead	93		0.26	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Magnesium	45000	B	5.1	2.1	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Manganese	410	B	0.51	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Nickel	9.5	B	0.51	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Potassium	700		26	4.2	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Selenium	0.38	J	0.51	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Sodium	520		51	6.7	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Vanadium	11		0.26	0.075	mg/Kg	☼	03/14/16 09:51	03/14/16 21:56	1
Zinc	64		1.0	0.32	mg/Kg	☼	03/14/16 09:51	03/15/16 20:37	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		03/15/16 14:30	03/16/16 11:26	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		03/15/16 14:30	03/16/16 12:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		19	9.9	ug/Kg	☼	03/15/16 16:45	03/16/16 18:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.99		0.200	0.200	SU			03/10/16 15:28	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-3(0-1)-030816

Lab Sample ID: 500-108493-9

Date Collected: 03/08/16 10:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/10/16 15:41	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 15:41	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		03/10/16 15:41	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 15:41	1
Bromomethane	<5.9 *		5.9	2.2	ug/Kg	☼		03/10/16 15:41	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/10/16 15:41	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 15:41	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 15:41	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/10/16 15:41	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/10/16 15:41	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 15:41	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 15:41	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 15:41	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/10/16 15:41	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 15:41	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/10/16 15:41	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 15:41	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 15:41	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/10/16 15:41	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 15:41	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/10/16 15:41	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		03/10/16 15:41	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 15:41	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 15:41	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 15:41	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 15:41	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		03/10/16 15:41	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 15:41	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 15:41	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 15:41	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/10/16 15:41	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 15:41	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/10/16 15:41	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/10/16 15:41	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 15:41	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122		03/10/16 15:41	1
Dibromofluoromethane	96		75 - 120		03/10/16 15:41	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/10/16 15:41	1
Toluene-d8 (Surr)	114		75 - 122		03/10/16 15:41	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	☼	03/10/16 14:49	03/14/16 22:18	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-3(0-1)-030816

Lab Sample ID: 500-108493-9

Date Collected: 03/08/16 10:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.8

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	☼	03/10/16 14:49	03/14/16 22:18	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Acenaphthene	20 J		37	6.8	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Acenaphthylene	9.9 J		37	5.0	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Anthracene	65		37	6.3	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Benzo[a]anthracene	250 *		37	5.1	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Benzo[a]pyrene	220 *		37	7.3	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Benzo[b]fluoranthene	290 *		37	8.1	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Benzo[g,h,i]perylene	130 *		37	12	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Benzo[k]fluoranthene	120 *		37	11	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Bis(2-ethylhexyl) phthalate	180 J *		190	69	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Butyl benzyl phthalate	<190 *		190	72	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Carbazole	<190		190	94	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Chrysene	240 *		37	10	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Fluoranthene	320		37	7.0	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Fluorene	19 J		37	5.3	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-3(0-1)-030816

Lab Sample ID: 500-108493-9

Date Collected: 03/08/16 10:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.8

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	120	*	37	9.8	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Phenanthrene	300		37	5.3	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Phenol	<190		190	84	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Pyrene	890	*	37	7.5	ug/Kg	☼	03/10/16 14:49	03/14/16 22:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/10/16 14:49	03/14/16 22:18	1
2-Fluorobiphenyl	103		25 - 119				03/10/16 14:49	03/14/16 22:18	1
2-Fluorophenol	101		25 - 110				03/10/16 14:49	03/14/16 22:18	1
Nitrobenzene-d5	84		25 - 115				03/10/16 14:49	03/14/16 22:18	1
Phenol-d5	100		31 - 110				03/10/16 14:49	03/14/16 22:18	1
Terphenyl-d14	233	X *	36 - 134				03/10/16 14:49	03/14/16 22:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Barium	0.41	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:01	1
Manganese	0.056		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:01	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:01	1
Zinc	0.17	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		03/15/16 08:34	03/16/16 00:11	1
Barium	0.38	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:11	1
Chromium	0.084		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:11	1
Cobalt	0.014	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:11	1
Copper	0.078		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:11	1
Iron	77		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:11	1
Lead	0.17		0.038	0.038	mg/L		03/15/16 08:34	03/16/16 19:52	5
Manganese	0.97		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:11	1
Nickel	0.059		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-3(0-1)-030816

Lab Sample ID: 500-108493-9

Date Collected: 03/08/16 10:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.8

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		03/15/16 08:34	03/16/16 00:11	1
Zinc	0.35	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Arsenic	4.0		0.54	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Barium	87		0.54	0.099	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Beryllium	0.35		0.22	0.047	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Cadmium	0.19	B	0.11	0.031	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Calcium	63000	B	110	35	mg/Kg	☼	03/14/16 09:51	03/15/16 21:00	10
Chromium	14	B	2.7	0.093	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Cobalt	8.2		0.27	0.061	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Copper	17		0.54	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Iron	10000	B	11	4.2	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Lead	79		0.27	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Magnesium	26000	B	5.4	2.2	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Manganese	590	B	0.54	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Nickel	12	B	0.54	0.15	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Potassium	720		27	4.4	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Selenium	0.47	J	0.54	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Sodium	930		54	7.1	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Vanadium	17		0.27	0.079	mg/Kg	☼	03/14/16 09:51	03/14/16 22:09	1
Zinc	72		1.1	0.34	mg/Kg	☼	03/14/16 09:51	03/15/16 20:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 11:27	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		20	10	ug/Kg	☼	03/15/16 16:45	03/16/16 19:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.88		0.200	0.200	SU			03/10/16 15:30	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-2(0-1)-030816

Lab Sample ID: 500-108493-10

Date Collected: 03/08/16 10:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 16:06	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:06	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		03/10/16 16:06	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:06	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/10/16 16:06	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 16:06	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:06	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:06	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/10/16 16:06	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 16:06	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:06	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:06	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:06	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/10/16 16:06	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:06	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/10/16 16:06	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 16:06	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 16:06	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 16:06	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:06	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/10/16 16:06	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/10/16 16:06	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 16:06	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:06	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:06	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:06	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/10/16 16:06	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:06	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 16:06	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:06	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 16:06	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:06	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 16:06	1
Trichloroethene	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 16:06	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:06	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/10/16 16:06	1
Dibromofluoromethane	99		75 - 120		03/10/16 16:06	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 16:06	1
Toluene-d8 (Surr)	111		75 - 122		03/10/16 16:06	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	☼	03/10/16 14:49	03/14/16 22:42	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-2(0-1)-030816

Lab Sample ID: 500-108493-10

Date Collected: 03/08/16 10:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.0

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	84	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2-Methylnaphthalene	8.2	J	37	6.8	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Acenaphthene	37		37	6.6	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Acenaphthylene	41		37	4.9	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Anthracene	82		37	6.2	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Benzo[a]anthracene	400	*	37	5.0	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Benzo[a]pyrene	400	*	37	7.2	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Benzo[b]fluoranthene	610	*	37	8.0	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Benzo[g,h,i]perylene	330	*	37	12	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Benzo[k]fluoranthene	190	*	37	11	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Bis(2-ethylhexyl) phthalate	140	J *	190	68	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Butyl benzyl phthalate	110	J *	190	70	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Carbazole	<190		190	92	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Chrysene	440	*	37	10	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Dibenz(a,h)anthracene	88	*	37	7.1	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Fluoranthene	490		37	6.9	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Fluorene	30	J	37	5.2	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-2(0-1)-030816

Lab Sample ID: 500-108493-10

Date Collected: 03/08/16 10:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.0

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	310	*	37	9.6	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Naphthalene	16	J	37	5.7	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Phenanthrene	370		37	5.2	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Phenol	<190		190	82	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Pyrene	1400	*	37	7.3	ug/Kg	☼	03/10/16 14:49	03/14/16 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		35 - 137				03/10/16 14:49	03/14/16 22:42	1
2-Fluorobiphenyl	103		25 - 119				03/10/16 14:49	03/14/16 22:42	1
2-Fluorophenol	79		25 - 110				03/10/16 14:49	03/14/16 22:42	1
Nitrobenzene-d5	95		25 - 115				03/10/16 14:49	03/14/16 22:42	1
Phenol-d5	94		31 - 110				03/10/16 14:49	03/14/16 22:42	1
Terphenyl-d14	220	X *	36 - 134				03/10/16 14:49	03/14/16 22:42	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		03/15/16 08:29	03/16/16 04:06	1
Barium	0.28	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:06	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:06	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:06	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:06	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:06	1
Zinc	0.31	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:34	03/16/16 00:16	1
Barium	0.12	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:16	1
Chromium	0.028		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:16	1
Copper	0.030		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:16	1
Iron	19		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:16	1
Lead	0.15		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:16	1
Manganese	0.33		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:16	1
Nickel	0.015	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-2(0-1)-030816

Lab Sample ID: 500-108493-10

Date Collected: 03/08/16 10:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.0

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		03/15/16 08:34	03/16/16 00:16	1
Zinc	0.21	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Arsenic	2.4		0.56	0.26	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Barium	49		0.56	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Beryllium	0.31		0.22	0.048	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Cadmium	0.27	B	0.11	0.032	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Calcium	110000	B	110	36	mg/Kg	☼	03/14/16 09:51	03/15/16 21:09	10
Chromium	12	B	2.8	0.096	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Cobalt	4.3		0.28	0.063	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Copper	14		0.56	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Iron	7500	B	11	4.3	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Lead	120		0.28	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Magnesium	46000	B	5.6	2.3	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Manganese	410	B	0.56	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Nickel	8.5	B	0.56	0.15	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Potassium	780		28	4.5	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Selenium	0.54	J	0.56	0.28	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Sodium	620		56	7.3	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Vanadium	9.9		0.28	0.081	mg/Kg	☼	03/14/16 09:51	03/14/16 22:14	1
Zinc	60		1.1	0.35	mg/Kg	☼	03/14/16 09:51	03/15/16 21:04	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		03/15/16 14:30	03/16/16 11:33	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		03/15/16 14:30	03/16/16 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		17	9.0	ug/Kg	☼	03/15/16 16:45	03/16/16 19:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.09		0.200	0.200	SU			03/10/16 15:36	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-1(0-1)-030816

Lab Sample ID: 500-108493-11

Date Collected: 03/08/16 11:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 16:32	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 16:32	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/10/16 16:32	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:32	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/10/16 16:32	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 16:32	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:32	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 16:32	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 16:32	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:32	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 16:32	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/10/16 16:32	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:32	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/10/16 16:32	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 16:32	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 16:32	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 16:32	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 16:32	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 16:32	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 16:32	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:32	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/10/16 16:32	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:32	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 16:32	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 16:32	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 16:32	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 16:32	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 16:32	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:32	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/10/16 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 16:32	1
Dibromofluoromethane	100		75 - 120		03/10/16 16:32	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 16:32	1
Toluene-d8 (Surr)	112		75 - 122		03/10/16 16:32	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	☼	03/10/16 14:49	03/17/16 11:10	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-1(0-1)-030816

Lab Sample ID: 500-108493-11

Date Collected: 03/08/16 11:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Acenaphthylene	23	J	37	4.9	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Anthracene	13	J	37	6.2	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Benzo[a]anthracene	81		37	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Benzo[a]pyrene	110	*	37	7.2	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Benzo[b]fluoranthene	200	*	37	8.0	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Benzo[g,h,i]perylene	63	*	37	12	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Benzo[k]fluoranthene	100	*	37	11	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Bis(2-ethylhexyl) phthalate	110	J	190	68	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Carbazole	<190		190	93	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Chrysene	120		37	10	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Dibenz(a,h)anthracene	16	J *	37	7.2	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Fluoranthene	180		37	6.9	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-1(0-1)-030816

Lab Sample ID: 500-108493-11

Date Collected: 03/08/16 11:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.3

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	57	*	37	9.6	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Phenanthrene	74		37	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Phenol	<190		190	82	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1
Pyrene	280		37	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137	03/10/16 14:49	03/17/16 11:10	1
2-Fluorobiphenyl	75		25 - 119	03/10/16 14:49	03/17/16 11:10	1
2-Fluorophenol	79		25 - 110	03/10/16 14:49	03/17/16 11:10	1
Nitrobenzene-d5	75		25 - 115	03/10/16 14:49	03/17/16 11:10	1
Phenol-d5	76		31 - 110	03/10/16 14:49	03/17/16 11:10	1
Terphenyl-d14	155	X	36 - 134	03/10/16 14:49	03/17/16 11:10	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		03/15/16 08:29	03/16/16 04:11	1
Barium	0.34	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:11	1
Chromium	0.012	J	0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:11	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:11	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:11	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:11	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:11	1
Zinc	0.20	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:34	03/16/16 00:27	1
Barium	0.11	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:27	1
Chromium	0.020	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:27	1
Copper	0.020	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:27	1
Iron	15		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:27	1
Lead	0.051		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:27	1
Manganese	0.23		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:27	1
Nickel	0.010	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL9-1(0-1)-030816

Lab Sample ID: 500-108493-11

Date Collected: 03/08/16 11:00

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.3

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		03/15/16 08:34	03/16/16 00:27	1
Zinc	0.31	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J	0.93	0.19	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Arsenic	4.4		0.46	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Barium	67		0.46	0.085	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Beryllium	0.32		0.19	0.040	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Cadmium	0.24	B	0.093	0.027	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Calcium	80000	B	93	30	mg/Kg	☼	03/14/16 09:51	03/15/16 21:19	10
Chromium	9.2	B	2.3	0.080	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Cobalt	6.5		0.23	0.052	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Copper	18		0.46	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Iron	11000	B	9.3	3.6	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Lead	69		0.23	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Magnesium	27000	B	4.6	1.9	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Manganese	580	B	0.46	0.092	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Nickel	11	B	0.46	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Potassium	570		23	3.8	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Selenium	0.35	J	0.46	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Silver	<0.23		0.23	0.054	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Sodium	470		46	6.1	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Vanadium	12		0.23	0.068	mg/Kg	☼	03/14/16 09:51	03/14/16 22:19	1
Zinc	78		0.93	0.29	mg/Kg	☼	03/14/16 09:51	03/15/16 21:13	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		03/15/16 14:30	03/16/16 11:35	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		03/15/16 14:30	03/16/16 12:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	44		19	10	ug/Kg	☼	03/15/16 16:45	03/16/16 19:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.57		0.200	0.200	SU			03/10/16 15:39	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
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.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108493 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Scientific Inc
Address: 303 Plaza Circle, Ste 200
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 28.31/21.45
Stallp

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOC		Total Metals				
<u>IDOT 039</u>								TCU P/S/PLP				
Project Location/State		Lab PM						MEGMS				
<u>WILMINGTON, IL</u>		<u>DUCK WRIGHT</u>						PM				
Sampler		Sampling		# of Containers		Matrix						
<u>A. SIMPSON</u>		Date		Time								
Lab ID	MS/MSD	Sample ID										
<u>1</u>		<u>AL7-4-(0-4)030816</u>	<u>030816</u>	<u>0840</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>2</u>		<u>AL7-3-(0-1)-030816</u>	<u>030816</u>	<u>0910</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>3</u>		<u>AL7-2-(0-1)-030816</u>		<u>0925</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>4</u>		<u>AL7-1-(0-1)030816</u>		<u>0940</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>5</u>		<u>AL9-6-(0-1)030816</u>		<u>1000</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>6</u>		<u>AL9-6-(0-1)030816</u>		<u>1000</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>7</u>		<u>AL9-5-(0-1)030816</u>		<u>1010</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>8</u>		<u>AL9-4-(0-1)030816</u>		<u>1015</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>9</u>		<u>AL9-3-(0-1)030816</u>		<u>1025</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>10</u>		<u>AL9-2-(0-1)030816</u>		<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days 20 Days 30 Days Other

Sample Disposal

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

Relinquished By <u>D.S.</u>	Company <u>WESTON</u>	Date <u>030816</u>	Time <u>1540</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/8/16</u>	Time <u>1540</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/8/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>TA-CHE</u>	Date <u>3/8/16</u>	Time <u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: JR
Shipped:
Hand Delivered:

Matrix Key
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air
 SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusjner
Company: Weston Solutions
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>WESTON</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM											
<u>100T 039</u>		<u>WILMINGTON, IL</u>				<u>A-SIMPSON</u>		<u>DICK WRIGHT</u>											
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	TGM Metals	TCLP/SLP Metals	GM								
			Date	Time															
<u>11</u>		<u>AL9-1(0-1)-030816</u>	<u>3/8/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>12</u>		<u>RL0-3(0-1)-030816</u>		<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>13</u>		<u>RL0-2(0-1)-030816</u>		<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>14</u>		<u>RL0-1(0-1)-070816</u>		<u>1135</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>15</u>		<u>AL12-6(0-1)-030816</u>		<u>1145</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>16</u>		<u>AL12-5(0-1)-030816</u>		<u>1155</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>17</u>		<u>AL12-4(0-1)-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>18</u>		<u>AL12-4(0-1)D-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>19</u>		<u>AL12-3(0-1)-030816</u>		<u>1225</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>20</u>		<u>AL12-2(0-1)-030816</u>		<u>1240</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 30 Lead time Other
 Requested Due Date
 Sample Disposal
 Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>RZ</u> Company <u>WESTON</u> Date <u>3/8/16</u> Time <u>15:40</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>15:40</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Shipped
Relinquished By	Received By	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:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18411 IL 102 (ISGS Site No. 2946-10)

City: Wesley Township 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: 41.230472664 Longitude: -88.050577976

(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.230472664 Longitude: -88.050577976

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 R10-1 THROUGH R10-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-10. SEE FIGURE 3-12 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108493-1.
ALSO SEE FIGURE 4-12 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R10-1(0-1)-030816	R10-2(0-1)-030816	R10-3(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	
Location ID	R10-1	R10-2	R10-3	
Depth	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-10	2946-10	2946-10	
Parameter				
Laboratory pH (s.u.)	8.59	7.42	7.58	<6.25,>9.0
VOCs (ug/kg)				
Acetone	ND	ND	31	25000
Methyl ethyl ketone	ND	ND	22	---
SVOCs (ug/kg)				
2-Methylnaphthalene	15 J	ND	ND	---
Acenaphthene	7.4 J	ND	ND	570000
Acenaphthylene	5 J	ND	10 J	---
Anthracene	30 J	8.7 J	10 J	1.20E+07
Benzo(a)anthracene	120 J	32 J	62	900 / 1100 / 1800
Benzo(a)pyrene	130 J	36 J	90 J	90 / 1300 / 2100
Benzo(b)fluoranthene	240 J	57	150 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	100 J	14 J	52 J	---
Benzo(k)fluoranthene	80 J	ND	54 J	9000
bis(2-Ethylhexyl)phthalate	220 J	95 J	170 J	46000
Chrysene	160 J	41	86	88000
Fluoranthene	200	68	110	3100000
Fluorene	9.5 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	82 J	ND	52 J	900 / 900 / 1600
Phenanthrene	210	47	46	---
Pyrene	490 J	66	200	2300000
Total Metals (mg/kg)				
Arsenic, Total	2.6 J+	4.3 J+	3.9 J+	11.3 / 13
Barium, Total	60	68	85	1500
Beryllium, Total	0.37	0.34	0.34	22
Calcium, Total	100000 J	53000 J	61000 J	---
Chromium, Total	16 B	20 B	9.9 B	21
Cobalt, Total	4.4	7.2	6.6	20
Copper, Total	14 J-	17 J-	17 J-	2900
Iron, Total	8700 J-	9500 J-	9400 J-	15000 / 15900
Lead, Total	110 J-	110 J-	63 J-	107
Magnesium, Total	47000 J	21000 J	21000 J	325000
Manganese, Total	440 J	550 J	530 J	630 / 636
Mercury, Total	0.025	0.036	0.044	0.89
Nickel, Total	8.9 J	12 J	12 J	100
Potassium, Total	800 J+	860 J+	680 J+	---
Selenium, Total	ND	0.48 J	0.38 J	1.3
Sodium, Total	1100	380	470	---
Vanadium, Total	12	16	16	550
Zinc, Total	81 J	62 J	66 J	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	ND	0.05
Barium, TCLP	0.19 J	0.35 J	0.34 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	0.12	ND	ND	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.1
Zinc, TCLP	ND	0.38 J	ND	5

Summary Table of ISGS Site No. 2946-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R10-1(0-1)-030816	R10-2(0-1)-030816	R10-3(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	
Location ID	R10-1	R10-2	R10-3	
Depth	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-10	2946-10	2946-10	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	0.012 J	ND	0.05
Barium, SPLP	0.13 J	0.18 J	0.16 J	2
Beryllium, SPLP	ND	ND	ND	0.004
Chromium, SPLP	0.034	0.038	0.03	0.1
Cobalt, SPLP	ND	ND	ND	1
Copper, SPLP	0.032	0.033	0.027	0.65
Iron, SPLP	27 J+	34 J+	25 J+	5
Lead, SPLP	0.19	0.043	0.077	0.0075
Manganese, SPLP	0.47	0.41	0.33	0.15
Mercury, SPLP	0.025	0.036	0.044	0.002
Nickel, SPLP	0.022 J	0.025	0.02 J	0.1
Zinc, SPLP	0.39 J	1	0.13 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108493-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/18/2016 4:06:46 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-3(0-1)-030816

Lab Sample ID: 500-108493-12

Date Collected: 03/08/16 11:20

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	31		23	4.5	ug/Kg	☼		03/10/16 16:57	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 16:57	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/10/16 16:57	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:57	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/10/16 16:57	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 16:57	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:57	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:57	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 16:57	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 16:57	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:57	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:57	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 16:57	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/10/16 16:57	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:57	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/10/16 16:57	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 16:57	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 16:57	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 16:57	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:57	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 16:57	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 16:57	1
Methyl Ethyl Ketone	22		5.8	2.1	ug/Kg	☼		03/10/16 16:57	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:57	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:57	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:57	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/10/16 16:57	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 16:57	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 16:57	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 16:57	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 16:57	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 16:57	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 16:57	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 16:57	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 16:57	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/10/16 16:57	1
Dibromofluoromethane	99		75 - 120		03/10/16 16:57	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 16:57	1
Toluene-d8 (Surr)	115		75 - 122		03/10/16 16:57	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	☼	03/10/16 14:49	03/17/16 11:35	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-3(0-1)-030816

Lab Sample ID: 500-108493-12

Date Collected: 03/08/16 11:20

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.9

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	☼	03/10/16 14:49	03/17/16 11:35	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Acenaphthylene	10	J	38	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Anthracene	10	J	38	6.4	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Benzo[a]anthracene	62		38	5.1	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Benzo[a]pyrene	90	*	38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Benzo[b]fluoranthene	150	*	38	8.2	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Benzo[g,h,i]perylene	52	*	38	12	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Benzo[k]fluoranthene	54	*	38	11	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Bis(2-ethylhexyl) phthalate	170	J	190	70	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Carbazole	<190		190	95	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Chrysene	86		38	10	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Dibenz(a,h)anthracene	<38	*	38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Fluoranthene	110		38	7.1	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-3(0-1)-030816

Lab Sample ID: 500-108493-12

Date Collected: 03/08/16 11:20

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.9

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	52	*	38	9.9	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Isophorone	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Phenanthrene	46		38	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Phenol	<190		190	85	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Pyrene	200		38	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		35 - 137				03/10/16 14:49	03/17/16 11:35	1
2-Fluorobiphenyl	87		25 - 119				03/10/16 14:49	03/17/16 11:35	1
2-Fluorophenol	94		25 - 110				03/10/16 14:49	03/17/16 11:35	1
Nitrobenzene-d5	90		25 - 115				03/10/16 14:49	03/17/16 11:35	1
Phenol-d5	93		31 - 110				03/10/16 14:49	03/17/16 11:35	1
Terphenyl-d14	179	X	36 - 134				03/10/16 14:49	03/17/16 11:35	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		03/15/16 08:29	03/16/16 04:17	1
Barium	0.34	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:17	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:17	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:17	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:17	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:17	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:17	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:17	1
Zinc	0.20	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:17	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		03/15/16 08:34	03/16/16 00:31	1
Barium	0.16	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:31	1
Chromium	0.030		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:31	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:31	1
Copper	0.027		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:31	1
Iron	25		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:31	1
Lead	0.077		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:31	1
Manganese	0.33		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:31	1
Nickel	0.020	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-3(0-1)-030816

Lab Sample ID: 500-108493-12

Date Collected: 03/08/16 11:20

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 85.9

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		03/15/16 08:34	03/16/16 00:31	1
Zinc	0.13	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Arsenic	3.9		0.50	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Barium	85		0.50	0.092	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Beryllium	0.34		0.20	0.043	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Cadmium	0.24	B	0.10	0.029	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Calcium	61000	B	100	32	mg/Kg	☼	03/14/16 09:51	03/15/16 21:28	10
Chromium	9.9	B	2.5	0.086	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Cobalt	6.6		0.25	0.057	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Copper	17		0.50	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Iron	9400	B	10	3.9	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Lead	63		0.25	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Magnesium	21000	B	5.0	2.0	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Manganese	530	B	0.50	0.099	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Nickel	12	B	0.50	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Potassium	680		25	4.1	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Selenium	0.38	J	0.50	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Sodium	470		50	6.6	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Vanadium	16		0.25	0.073	mg/Kg	☼	03/14/16 09:51	03/14/16 22:24	1
Zinc	66		1.0	0.32	mg/Kg	☼	03/14/16 09:51	03/15/16 21:23	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		03/15/16 14:30	03/16/16 11:37	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		03/15/16 14:30	03/16/16 12:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	44		19	9.9	ug/Kg	☼	03/15/16 16:45	03/16/16 19:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.58		0.200	0.200	SU			03/10/16 15:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-2(0-1)-030816

Lab Sample ID: 500-108493-13

Date Collected: 03/08/16 11:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/10/16 17:22	1
Benzene	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 17:22	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/10/16 17:22	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 17:22	1
Bromomethane	<6.1 *		6.1	2.2	ug/Kg	☼		03/10/16 17:22	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 17:22	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 17:22	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 17:22	1
Chloroethane	<6.1		6.1	2.5	ug/Kg	☼		03/10/16 17:22	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 17:22	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 17:22	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 17:22	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 17:22	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/10/16 17:22	1
1,1-Dichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 17:22	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		03/10/16 17:22	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 17:22	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/10/16 17:22	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 17:22	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 17:22	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/10/16 17:22	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/10/16 17:22	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/10/16 17:22	1
methyl isobutyl ketone	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 17:22	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 17:22	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 17:22	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.96	ug/Kg	☼		03/10/16 17:22	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/10/16 17:22	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/10/16 17:22	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/10/16 17:22	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/10/16 17:22	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 17:22	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/10/16 17:22	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		03/10/16 17:22	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		03/10/16 17:22	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 17:22	1
Dibromofluoromethane	99		75 - 120		03/10/16 17:22	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/10/16 17:22	1
Toluene-d8 (Surr)	109		75 - 122		03/10/16 17:22	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	42	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-2(0-1)-030816

Lab Sample ID: 500-108493-13

Date Collected: 03/08/16 11:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2-Methylphenol	<200		200	63	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Anthracene	8.7 J		39	6.6	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Benzo[a]anthracene	32 J		39	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Benzo[a]pyrene	36 J		39	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Benzo[b]fluoranthene	57		39	8.5	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Benzo[g,h,i]perylene	14 J		39	13	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Bis(2-ethylhexyl) phthalate	95 J		200	72	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Carbazole	<200		200	98	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Chrysene	41		39	11	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Fluoranthene	68		39	7.3	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Fluorene	<39		39	5.5	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Hexachloroethane	<200		200	60	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-2(0-1)-030816

Lab Sample ID: 500-108493-13

Date Collected: 03/08/16 11:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.4

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	<39		39	10	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Isophorone	<200		200	44	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Naphthalene	<39		39	6.1	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Phenanthrene	47		39	5.5	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Phenol	<200		200	87	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Pyrene	66		39	7.8	ug/Kg	☼	03/10/16 14:49	03/17/16 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		35 - 137				03/10/16 14:49	03/17/16 09:53	1
2-Fluorobiphenyl	63		25 - 119				03/10/16 14:49	03/17/16 09:53	1
2-Fluorophenol	74		25 - 110				03/10/16 14:49	03/17/16 09:53	1
Nitrobenzene-d5	63		25 - 115				03/10/16 14:49	03/17/16 09:53	1
Phenol-d5	50		31 - 110				03/10/16 14:49	03/17/16 09:53	1
Terphenyl-d14	81		36 - 134				03/10/16 14:49	03/17/16 09:53	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		03/15/16 08:29	03/16/16 04:22	1
Barium	0.35	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:22	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:22	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:22	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:22	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:22	1
Zinc	0.38	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/15/16 08:34	03/16/16 00:36	1
Barium	0.18	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:36	1
Chromium	0.038		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:36	1
Copper	0.033		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:36	1
Iron	34		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:36	1
Lead	0.043		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:36	1
Manganese	0.41		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:36	1
Nickel	0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-2(0-1)-030816

Lab Sample ID: 500-108493-13

Date Collected: 03/08/16 11:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 82.4

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		03/15/16 08:34	03/16/16 00:36	1
Zinc	1.0		0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.98		0.98	0.20	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Arsenic	4.3		0.49	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Barium	68		0.49	0.090	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Beryllium	0.34		0.20	0.042	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Cadmium	0.22	B	0.098	0.028	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Calcium	53000	B	98	32	mg/Kg	☼	03/14/16 09:51	03/15/16 21:46	10
Chromium	20	B	2.5	0.084	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Cobalt	7.2		0.25	0.055	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Copper	17		0.49	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Iron	9500	B	9.8	3.8	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Lead	110		0.25	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Magnesium	21000	B	4.9	2.0	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Manganese	550	B	0.49	0.097	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Nickel	12	B	0.49	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Potassium	860		25	4.0	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Selenium	0.48	J	0.49	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Silver	<0.25		0.25	0.057	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Sodium	380		49	6.5	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Vanadium	16		0.25	0.072	mg/Kg	☼	03/14/16 09:51	03/14/16 22:29	1
Zinc	62		0.98	0.31	mg/Kg	☼	03/14/16 09:51	03/15/16 21:32	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		03/15/16 14:30	03/16/16 11:39	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		03/15/16 14:30	03/16/16 12:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	36		19	10	ug/Kg	☼	03/15/16 16:45	03/16/16 19:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.42		0.200	0.200	SU			03/10/16 15:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-1(0-1)-030816

Lab Sample ID: 500-108493-14

Date Collected: 03/08/16 11:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 17:47	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 17:47	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/10/16 17:47	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 17:47	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/10/16 17:47	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 17:47	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 17:47	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 17:47	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 17:47	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 17:47	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 17:47	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 17:47	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 17:47	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/10/16 17:47	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 17:47	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/10/16 17:47	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 17:47	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 17:47	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 17:47	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 17:47	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 17:47	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 17:47	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 17:47	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 17:47	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 17:47	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 17:47	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/10/16 17:47	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 17:47	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 17:47	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 17:47	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 17:47	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 17:47	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 17:47	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 17:47	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 17:47	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 17:47	1
Dibromofluoromethane	100		75 - 120		03/10/16 17:47	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 17:47	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 17:47	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	☼	03/10/16 14:49	03/17/16 12:51	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-1(0-1)-030816

Lab Sample ID: 500-108493-14

Date Collected: 03/08/16 11:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2-Methylnaphthalene	15	J	37	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Acenaphthene	7.4	J	37	6.7	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Acenaphthylene	5.0	J	37	4.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Anthracene	30	J	37	6.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Benzo[a]anthracene	120	*	37	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Benzo[a]pyrene	130	*	37	7.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Benzo[b]fluoranthene	240	*	37	8.0	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Benzo[g,h,i]perylene	100	*	37	12	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Benzo[k]fluoranthene	80	*	37	11	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Bis(2-ethylhexyl) phthalate	220	*	190	68	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Butyl benzyl phthalate	<190	*	190	71	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Carbazole	<190		190	93	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Chrysene	160	*	37	10	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Fluoranthene	200		37	6.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Fluorene	9.5	J	37	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-1(0-1)-030816

Lab Sample ID: 500-108493-14

Date Collected: 03/08/16 11:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.0

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	82	*	37	9.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Phenanthrene	210		37	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Phenol	<190		190	82	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Pyrene	490	*	37	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137				03/10/16 14:49	03/17/16 12:51	1
2-Fluorobiphenyl	88		25 - 119				03/10/16 14:49	03/17/16 12:51	1
2-Fluorophenol	98		25 - 110				03/10/16 14:49	03/17/16 12:51	1
Nitrobenzene-d5	92		25 - 115				03/10/16 14:49	03/17/16 12:51	1
Phenol-d5	70		31 - 110				03/10/16 14:49	03/17/16 12:51	1
Terphenyl-d14	196	X *	36 - 134				03/10/16 14:49	03/17/16 12:51	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		03/15/16 08:29	03/16/16 04:27	1
Barium	0.19	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:27	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:27	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:27	1
Manganese	0.12		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:27	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:27	1
Zinc	0.15	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:27	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		03/15/16 08:34	03/16/16 00:40	1
Barium	0.13	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:40	1
Chromium	0.034		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:40	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:40	1
Copper	0.032		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:40	1
Iron	27		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:40	1
Lead	0.19		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:40	1
Manganese	0.47		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:40	1
Nickel	0.022	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: R10-1(0-1)-030816

Lab Sample ID: 500-108493-14

Date Collected: 03/08/16 11:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.0

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		03/15/16 08:34	03/16/16 00:40	1
Zinc	0.39	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Arsenic	2.6		0.58	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Barium	60		0.58	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Beryllium	0.37		0.23	0.050	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Cadmium	0.27	B	0.12	0.033	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Calcium	10000	B	120	37	mg/Kg	☼	03/14/16 09:51	03/15/16 21:55	10
Chromium	16	B	2.9	0.099	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Cobalt	4.4		0.29	0.065	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Copper	14		0.58	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Iron	8700	B	12	4.4	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Lead	110		0.29	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Magnesium	47000	B	5.8	2.3	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Manganese	440	B	0.58	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Nickel	8.9	B	0.58	0.16	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Potassium	800		29	4.7	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Selenium	<0.58		0.58	0.28	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Sodium	1100		58	7.6	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Vanadium	12		0.29	0.084	mg/Kg	☼	03/14/16 09:51	03/14/16 22:34	1
Zinc	81		1.2	0.36	mg/Kg	☼	03/14/16 09:51	03/15/16 21:50	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		03/15/16 14:30	03/16/16 11:41	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		17	9.0	ug/Kg	☼	03/15/16 16:45	03/16/16 19:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.59		0.200	0.200	SU			03/10/16 15:47	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
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.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108493 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Scientific Inc
Address: 303 Plaza Circle, Ste 200
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 28.31/21.45
still

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
WESTON				7	7	7	7	7			
Project Name		Lab Project #		VOC		SVOC		Total Metals		TCU P/S/PLP METALS	
1 DOT 039											
Project Location/State		Lab PM									
WILMINGTON, IL		DICK WRIGHT									
Sampler		Sample ID		# of Containers		Matrix					
A. SIMPSON											
Lab ID	MS/MSD	Date	Time								
1		030816	0840	2	S	X	X	X	X	X	
2		030816	0910	2	S	X	X	X	X	X	
3			0925	2	S	X	X	X	X	X	
4			0940	2	S	X	X	X	X	X	
5			1000	2	S	X	X	X	X	X	
6			1000	2	S	X	X	X	X	X	
7			1010	2	S	X	X	X	X	X	
8			1015	2	S	X	X	X	X	X	
9			1025	2	S	X	X	X	X	X	
10			1040	2	S	X	X	X	X	X	

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other 2-4 weeks
 Requested Due Date: _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>A.S.</u> Company: <u>WESTON</u> Date: <u>030816</u> Time: <u>1540</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>1540</u>	Lab Courier: <u>JR</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>1045</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>3/8/16</u> Time: <u>1045</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusjner
Company: Weston Solutions
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter														
<u>WESTON</u>																				
Project Name		Lab Project #																		
<u>100T 039</u>																				
Project Location/State		Lab PM																		
<u>WILMINGTON, IL</u>		<u>DICK WRIGHT</u>																		
Sampler																				
<u>A-SIMPSON</u>																				
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	Trace/SLP Metals	GM	Preservative Key								
			Date	Time								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
<u>11</u>		<u>AL9-1(0-1)-030816</u>	<u>3/8/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>12</u>		<u>RL0-3(0-1)-030816</u>		<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>13</u>		<u>RL0-2(0-1)-030816</u>		<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>14</u>		<u>RL0-1(0-1)-070816</u>		<u>1135</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>15</u>		<u>AL12-6(0-1)-030816</u>		<u>1145</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>16</u>		<u>AL12-5(0-1)-030816</u>		<u>1155</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>17</u>		<u>AL12-4(0-1)-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>18</u>		<u>AL12-4(0-1)D-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>19</u>		<u>AL12-3(0-1)-030816</u>		<u>1225</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>20</u>		<u>AL12-2(0-1)-030816</u>		<u>1240</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 30 business Other
 Requested Due Date _____

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

Relinquished By <u>RZ</u> Company <u>WESTON</u> Date <u>3/8/16</u> Time <u>15:40</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>15:40</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Shipped
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18000 block of IL 102 (ISGS Site No. 2946-11)

City: Wesley Township 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: 41.230765299 Longitude: -88.051601027
(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: FAP 361: IL 102 John St to Kankakee Cty LineLatitude: 41.230765299 Longitude: -88.051601027Uncontaminated 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 NG-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2946-11. SEE FIGURE 3-12 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108664-1.
ALSO SEE FIGURE 4-12 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 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200William F. Karlovitz, P.E.

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.230765299 Longitude: -88.051601027

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):

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TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108664-1.
ALSO SEE FIGURE 4-12 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	NG-1(0-1)-031016	Soil Reference Concentrations^A
Sample Date	3/10/2016	
Location ID	NG-1	
Depth	0 - 1	
ISGS Site No.	2946-11	
Parameter		
Laboratory pH (s.u.)	8.51	<6.25,>9.0
VOCs (ug/kg)		
Acetone	65	25000
Methyl ethyl ketone	8.4	---
SVOCs (ug/kg)		
Acenaphthene	12 J	570000
Anthracene	34 J	1.20E+07
Benzo(a)anthracene	87	900 / 1100 / 1800
Benzo(a)pyrene	75 J	90 / 1300 / 2100
Benzo(b)fluoranthene	150 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	33 J	---
Benzo(k)fluoranthene	56 J	9000
Chrysene	87	88000
Fluoranthene	230	3100000
Fluorene	13 J	560000
Indeno(1,2,3-cd)pyrene	36 J	900 / 900 / 1600
Phenanthrene	160	---
Pyrene	250	2300000
Total Metals (mg/kg)		
Barium, Total	51	1500
Beryllium, Total	0.34	22
Cadmium, Total	0.26	5.2
Calcium, Total	88000 J	---
Chromium, Total	7.8 J	21
Cobalt, Total	4.8	20
Copper, Total	13 J	2900
Iron, Total	9100 J	15000 / 15900
Lead, Total	30 J	107
Magnesium, Total	52000 J	325000
Manganese, Total	330 J-	630 / 636
Nickel, Total	10 J	100
Potassium, Total	850 J+	---
Selenium, Total	0.32 J	1.3
Sodium, Total	1500 B	---
Vanadium, Total	13	550
Zinc, Total	68 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.34 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	0.016 J	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	3.4	0.15
Nickel, TCLP	0.011 J	0.1
Zinc, TCLP	0.31 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.012 J	0.05
Barium, SPLP	0.22 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.049	0.1
Cobalt, SPLP	0.013 J	1
Copper, SPLP	0.048	0.65
Iron, SPLP	39 J+	5
Lead, SPLP	0.12	0.0075
Manganese, SPLP	0.47	0.15
Nickel, SPLP	0.035	0.1
Zinc, SPLP	0.35 J	5

Summary Table of ISGS Site No. 2946-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, 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.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108664-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/23/2016 4:55:19 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: NG-1-(0-1)-031016

Lab Sample ID: 500-108664-5

Date Collected: 03/10/16 09:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	65		22	4.2	ug/Kg	☼		03/15/16 12:47	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/15/16 12:47	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/15/16 12:47	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/15/16 12:47	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 12:47	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/15/16 12:47	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/15/16 12:47	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/15/16 12:47	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/15/16 12:47	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/15/16 12:47	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 12:47	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 12:47	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 12:47	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/15/16 12:47	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		03/15/16 12:47	1
Methyl Ethyl Ketone	8.4		5.5	2.0	ug/Kg	☼		03/15/16 12:47	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/15/16 12:47	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/15/16 12:47	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/15/16 12:47	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 12:47	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/15/16 12:47	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/15/16 12:47	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/15/16 12:47	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/15/16 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 122		03/15/16 12:47	1
Dibromofluoromethane	102		75 - 120		03/15/16 12:47	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/15/16 12:47	1
Toluene-d8 (Surr)	112		75 - 122		03/15/16 12:47	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	39	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: NG-1-(0-1)-031016

Lab Sample ID: 500-108664-5

Date Collected: 03/10/16 09:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Acenaphthene	12 J		36	6.5	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Anthracene	34 J		36	6.0	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Benzo[a]anthracene	87		36	4.9	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Benzo[a]pyrene	75 *		36	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Benzo[b]fluoranthene	150 *		36	7.8	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Benzo[g,h,i]perylene	33 J *		36	12	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Benzo[k]fluoranthene	56 *		36	11	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Carbazole	<180		180	90	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Chrysene	87		36	9.8	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Fluoranthene	230		36	6.7	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Fluorene	13 J		36	5.1	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: NG-1-(0-1)-031016

Lab Sample ID: 500-108664-5

Date Collected: 03/10/16 09:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.1

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	36	*	36	9.4	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Isophorone	<180		180	41	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Phenanthrene	160		36	5.0	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Phenol	<180		180	80	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Pyrene	250		36	7.2	ug/Kg	☼	03/14/16 07:11	03/20/16 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/14/16 07:11	03/20/16 19:07	1
2-Fluorobiphenyl	72		25 - 119				03/14/16 07:11	03/20/16 19:07	1
2-Fluorophenol	78		25 - 110				03/14/16 07:11	03/20/16 19:07	1
Nitrobenzene-d5	67		25 - 115				03/14/16 07:11	03/20/16 19:07	1
Phenol-d5	76		31 - 110				03/14/16 07:11	03/20/16 19:07	1
Terphenyl-d14	122		36 - 134				03/14/16 07:11	03/20/16 19:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Barium	0.34	J	0.50	0.050	mg/L		03/20/16 14:00	03/22/16 18:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/20/16 14:00	03/22/16 18:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/20/16 14:00	03/22/16 18:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Copper	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Iron	<0.40		0.40	0.20	mg/L		03/20/16 14:00	03/22/16 18:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/20/16 14:00	03/22/16 18:16	1
Manganese	3.4		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Nickel	0.011	J	0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/20/16 14:00	03/22/16 18:16	1
Silver	<0.025		0.025	0.010	mg/L		03/20/16 14:00	03/22/16 18:16	1
Zinc	0.31	J	0.50	0.020	mg/L		03/20/16 14:00	03/22/16 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/21/16 09:00	03/22/16 22:24	1
Barium	0.22	J	0.50	0.050	mg/L		03/21/16 09:00	03/22/16 22:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/21/16 09:00	03/23/16 13:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/21/16 09:00	03/22/16 22:24	1
Chromium	0.049		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:50	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:50	1
Copper	0.048		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:24	1
Iron	39		0.40	0.20	mg/L		03/21/16 09:00	03/23/16 13:50	1
Lead	0.12		0.0075	0.0075	mg/L		03/21/16 09:00	03/22/16 22:24	1
Manganese	0.47		0.025	0.010	mg/L		03/21/16 09:00	03/22/16 22:24	1
Nickel	0.035		0.025	0.010	mg/L		03/21/16 09:00	03/23/16 13:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/21/16 09:00	03/22/16 22:24	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Client Sample ID: NG-1-(0-1)-031016

Lab Sample ID: 500-108664-5

Date Collected: 03/10/16 09:30

Matrix: Solid

Date Received: 03/10/16 16:55

Percent Solids: 91.1

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		03/21/16 09:00	03/22/16 22:24	1
Zinc	0.35	J ^ B *	0.50	0.020	mg/L		03/21/16 09:00	03/22/16 22:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Arsenic	3.5		0.53	0.24	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Barium	51		0.53	0.096	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Beryllium	0.34		0.21	0.046	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Cadmium	0.26		0.11	0.030	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Calcium	88000	B	110	34	mg/Kg	☼	03/17/16 08:13	03/23/16 15:30	10
Chromium	7.8		0.53	0.091	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Cobalt	4.8		0.26	0.059	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Copper	13		0.53	0.11	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Iron	9100	B	11	4.1	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Lead	30		0.26	0.13	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Magnesium	52000	B	53	21	mg/Kg	☼	03/17/16 08:13	03/23/16 15:30	10
Manganese	330	B	0.53	0.10	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Nickel	10		0.53	0.14	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Potassium	850		26	4.3	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Selenium	0.32	J	0.53	0.26	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Sodium	1500	B	53	6.9	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Vanadium	13		0.26	0.077	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	1
Zinc	68		1.1	0.33	mg/Kg	☼	03/17/16 08:13	03/22/16 23:48	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		03/20/16 18:00	03/21/16 22:23	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		03/20/16 18:00	03/22/16 09:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.4	ug/Kg	☼	03/19/16 15:30	03/22/16 19:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.51		0.200	0.200	SU			03/15/16 11:29	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108664-1

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	04-30-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids





500-108664 COC

Report To (optional) S. Babusukumar Bill To (optional) _____
 Contact: S. Babusukumar Contact: _____
 Company: Weston Solutions Company: _____
 Address: 300 Plaza Cir, Ste 203 Address: SAME
 Address: Mundelein, IL 60060 Address: _____
 Phone: 224-864-7250 Phone: _____
 Fax: _____ Fax: _____
 E-Mail: _____ PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-108664
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: 2.5

Client		Client Project #		Preservative		Parameter		Total metals		TCLP / SPL metals		pH		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		# of Containers		Matrix								
Project Location/State		Lab PM		Date		Time								
Lab ID	MS/MSD	Sample ID	Sampling											
1		KR-26(0-1)-031016	3/10/16	0840	2	S			X	X	X	X	X	
2		KR-27(0-1)-031016	3/10/16	0905	2	S			X	X	X	X	X	
3		KR-28(0-1)-031016	3/10/16	0915	2	S			X	X	X	X	X	
4		KR-28(0-1)-031016D	3/10/16	0915	2	S			X	X	X	X	X	
5		UG-1(0-1)-031016	3/10/16	0930	2	S			X	X	X	X	X	
6		KR-29(0-1)-031016	3/10/16	0945	2	S			X	X	X	X	X	
7		KR-30(0-1)-031016	3/10/16	1000	2	S			X	X	X	X	X	
8		KR-31(0-1)-031016	3/10/16	1010	2	S			X	X	X	X	X	
9		KR-32(0-1)-031016	3/10/16	1022	2	S			X	X	X	X	X	
10		KR-33(0-1)-031016	3/10/16	1036	2	S			X	X	X	X	X	

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>Alan A. [Signature]</u>	Company: <u>Weston</u>	Date: <u>3/10/16</u>	Time: <u>1600</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/10/16</u>	Time: <u>1655</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/10/16</u>	Time: <u>1655</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPT</u>	Date: <u>3/10/16</u>	Time: <u>1655</u>

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional) S. Babusukumar
 Contact: S. Babusukumar
 Company: Weston Solution
 Address: 300 plaza Cir, Ste 200
Mundelein, IL 60060
 Phone: 824-864-7250
 Fax: _____
 E-Mail: _____

Bill To (optional) _____
 Contact: _____
 Company: _____
 Address: SAME
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-108664
 Chain of Custody Number: _____
 Page 1 of 4
 Temperature °C of Cooler: 2.5

Client		Client Project #		Preservative		Parameter												Preservative Key	
Weston																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #																	
IDOT 039																			
Project Location/State		Lab Project #																	
Wilmington, IL																			
Sampler		Lab PM																	
A. Tackatz		Dick Weigler																	
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TECP/SLP/PCP	PH	Comments							
			Date	Time															
11		KR-34(0-1)-031016	3/10/16	1050	2	S	X	X	X	X	X								
12		KR-35(0-1)-031016	3/10/16	1106	2	S	X	X	X	X	X								
13		KR-36(0-1)-031016	3/10/16	1145	2	S	X	X	X	X	X								
14		KR-37(0-1)-031016	3/10/16	1153	2	S	X	X	X	X	X								
15		KR-38(0-1)-031016	3/10/16	1200	2	S	X	X	X	X	X								
16		KR-38(0-1)-031016A	3/10/16	1200	2	S	X	X	X	X	X								
17		KR-39(0-1)-031016	3/10/16	1213	2	S	X	X	X	X	X								
18		KR-40(0-1)-031016	3/10/16	1224	2	S	X	X	X	X	X								
19		KR-41(0-1)-031016	3/10/16	1230	2	S	X	X	X	X	X								
20		KR-42(0-1)-031016	3/10/16	1242	2	S	X	X	X	X	X								

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

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

Relinquished By <u>Alan Tackatz</u> Company Weston	Date 3/10/16	Time 1600	Received By <u>[Signature]</u> Company TA	Date 3/10/16	Time 1600
Relinquished By <u>[Signature]</u> Company TA	Date 3/12/16	Time 1655	Received By <u>[Signature]</u> Company TA-CHE	Date 3/10/16	Time 1655
Relinquished By _____	Date _____	Time _____	Received By _____	Date _____	Time _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18000 block of IL 102 (ISGS Site No. 2946-12)

City: Wesley Township 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: 41.231867363 Longitude: -88.054525787

(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

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.231867363 Longitude: -88.054525787

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 AL12-1 AND AL12-3 THROUGH AL12-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-12. SEE FIGURES 3-11 AND 3-12 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108493-1 AND 500-108494-1. ALSO SEE FIGURES 4-11 AND 4-12 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL12-1(0-1)-030816	AL12-3(0-1)-030816	AL12-4(0-1)-030816	AL12-4(0-1)-030816D	AL12-5(0-1)-030816	AL12-6(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	
Location ID	AL12-1	AL12-3	AL12-4	AL12-4	AL12-5	AL12-6	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-12	2946-12	2946-12	2946-12	2946-12	2946-12	
Parameter							
Laboratory pH (s.u.)	7.86	7.95	7.8	7.79	7.84	8.14	<6.25,>9.0
VOCs (ug/kg)	None Detected						
SVOCs (ug/kg)							
2-Methylnaphthalene	ND	ND	ND	ND	ND	21 J	---
Acenaphthene	ND	ND	ND	ND	8.8 J	ND	570000
Acenaphthylene	ND	ND	9.4 J	ND	ND	9.7 J	---
Anthracene	ND	ND	ND	8.8 J	44	12 J	1.20E+07
Benzo(a)anthracene	41 J	8.2 J	34 J	41 J	120 J	53 J	900 / 1100 / 1800
Benzo(a)pyrene	43 J	ND	48 J	53 J	120 J	67 J	90 / 1300 / 2100
Benzo(b)fluoranthene	86 J	29 J	79 J	81 J	160 J	110 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	28 J	ND	130 J	100 J	---
Benzo(k)fluoranthene	36 J	ND	33 J	ND	93 J	43 J	9000
bis(2-Ethylhexyl)phthalate	140 J	140 J	170 J	ND	150 J	160 J	46000
Butyl benzyl phthalate	ND	ND	ND	ND	120 J	200 J	930000
Chrysene	52 J	16 J	38 J	47 J	140 J	79 J	88000
Fluoranthene	59 J-	19 J	43	53	170	66	3100000
Fluorene	ND	ND	ND	ND	11 J	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	130 J	90 J	900 / 900 / 1600
Phenanthrene	39	7.1 J	23 J	40	200	83	---
Pyrene	190 J+	33 J	110 J	160 J	480 J	190 J	2300000
Total Metals (mg/kg)							
Antimony, Total	ND	0.24 J	0.23 J	0.35 J	0.31 J	0.3 J	5
Arsenic, Total	2.8	0.79 J+	1.6 J+	2.4 J+	2.6 J+	2.7 J+	11.3 / 13
Barium, Total	58	5.7	15 J	28 J	29	53	1500
Beryllium, Total	0.33	0.14 J	0.17	0.26	0.24	0.33	22
Calcium, Total	34000 J	220000 J	160000 J	180000 J	140000 J	120000 J	---
Chromium, Total	10 J	ND	ND	9.8 B	9.8 B	7.3 B	21
Cobalt, Total	4.7	1.1	2.5	3.7	4.2	5.3	20
Copper, Total	15	2.5 J-	6.2 J	11 J	11 J-	11 J-	2900
Iron, Total	7400 J+	3800 J-	4700 J	8500 J	7400 J-	7000 J-	15000 / 15900
Lead, Total	57 J	6.4 J-	41 J	77 J	55 J-	52 J-	107
Magnesium, Total	22000 J	130000 J	93000 J	100000 J	85000 J	44000 J	325000
Manganese, Total	510 J	270 J	260 J	380 J	350 J	540 J	630 / 636
Mercury, Total	0.025	ND	0.013 J	0.014 J	0.026	0.03	0.89
Nickel, Total	8.1 B	3.4 J	5.2 J	8.2 J	9.7 J	8.6 J	100
Potassium, Total	530 J+	390 J+	620 J+	800 J+	570 J+	650 J+	---
Selenium, Total	0.3 J	0.38 J	0.21 J	0.42 J	0.36 J	0.29 J	1.3
Sodium, Total	390	600	340	450	500	840	---
Vanadium, Total	11	2.3	5.7	9	12	9.9	550
Zinc, Total	61 J	21 J	31 J	44 J	64 J	60 J	5100

Summary Table of ISGS Site No. 2946-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL12-1(0-1)-030816	AL12-3(0-1)-030816	AL12-4(0-1)-030816	AL12-4(0-1)-030816D	AL12-5(0-1)-030816	AL12-6(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	
Location ID	AL12-1	AL12-3	AL12-4	AL12-4	AL12-5	AL12-6	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-12	2946-12	2946-12	2946-12	2946-12	2946-12	
Parameter							
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.29 J	0.11 J	0.23 J	0.2 J	0.3 J	0.24 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	0.004
Chromium, TCLP	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.014 J	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	8.6	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.013 J	2.1	1.1	1.3	0.87	ND	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.01 J	ND	ND	ND	ND	0.1
Zinc, TCLP	0.51 B	0.94	0.55 B	0.76 B	0.32 J	0.42 J	5
SPLP Metals (mg/l)							
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.18 J	ND	0.067 J	ND	0.053 J	0.098 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	0.004
Chromium, SPLP	0.036	ND	0.02 J	ND	0.014 J	0.018 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.033	ND	0.013 J	ND	ND	0.017 J	0.65
Iron, SPLP	27 J+	0.88 J+	13 J	5.3 J	9 J+	15 J+	5
Lead, SPLP	0.11	ND	0.061 J	0.035 J	0.054	0.066	0.0075
Manganese, SPLP	0.46	0.021 J	0.21 J	0.094 J	0.17	0.38	0.15
Mercury, SPLP	0.025	ND	0.013 J	0.014 J	0.026	0.03	0.002
Nickel, SPLP	0.02 J	ND	ND	ND	ND	0.011 J	0.1
Zinc, SPLP	0.2 J	0.16 J	0.19 J	0.66	0.3 J	0.48 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108493-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/18/2016 4:06:46 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-6(0-1)-030816

Lab Sample ID: 500-108493-15

Date Collected: 03/08/16 11:43

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		03/10/16 18:12	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 18:12	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		03/10/16 18:12	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 18:12	1
Bromomethane	<5.9 *		5.9	2.2	ug/Kg	☼		03/10/16 18:12	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/10/16 18:12	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 18:12	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 18:12	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/10/16 18:12	1
Chloroform	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 18:12	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 18:12	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 18:12	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/10/16 18:12	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/10/16 18:12	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 18:12	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/10/16 18:12	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 18:12	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 18:12	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/10/16 18:12	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 18:12	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/10/16 18:12	1
Methylene Chloride	<5.9		5.9	4.5	ug/Kg	☼		03/10/16 18:12	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 18:12	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 18:12	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 18:12	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 18:12	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.94	ug/Kg	☼		03/10/16 18:12	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/10/16 18:12	1
Toluene	<5.9		5.9	2.1	ug/Kg	☼		03/10/16 18:12	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/10/16 18:12	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/10/16 18:12	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 18:12	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/10/16 18:12	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/10/16 18:12	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/10/16 18:12	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 18:12	1
Dibromofluoromethane	99		75 - 120		03/10/16 18:12	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 18:12	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 18:12	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	☼	03/10/16 14:49	03/17/16 13:42	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-6(0-1)-030816

Lab Sample ID: 500-108493-15

Date Collected: 03/08/16 11:43

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.7

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	88	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2-Methylnaphthalene	21	J	38	7.1	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
3,3'-Dichlorobenzidine	<190	*	190	54	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Acenaphthylene	9.7	J	38	5.1	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Anthracene	12	J	38	6.4	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Benzo[a]anthracene	53	*	38	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Benzo[a]pyrene	67	*	38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Benzo[b]fluoranthene	110	*	38	8.3	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Benzo[g,h,i]perylene	100	*	38	12	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Benzo[k]fluoranthene	43	*	38	11	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Bis(2-ethylhexyl) phthalate	160	J *	190	70	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Butyl benzyl phthalate	200	*	190	73	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Carbazole	<190		190	96	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Chrysene	79	*	38	10	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Dibenz(a,h)anthracene	<38	*	38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Fluoranthene	66		38	7.1	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-6(0-1)-030816

Lab Sample ID: 500-108493-15

Date Collected: 03/08/16 11:43

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.7

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	90	*	38	9.9	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Isophorone	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Phenanthrene	83		38	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Phenol	<190		190	85	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Pyrene	190	*	38	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/10/16 14:49	03/17/16 13:42	1
2-Fluorobiphenyl	85		25 - 119				03/10/16 14:49	03/17/16 13:42	1
2-Fluorophenol	81		25 - 110				03/10/16 14:49	03/17/16 13:42	1
Nitrobenzene-d5	81		25 - 115				03/10/16 14:49	03/17/16 13:42	1
Phenol-d5	65		31 - 110				03/10/16 14:49	03/17/16 13:42	1
Terphenyl-d14	186	X *	36 - 134				03/10/16 14:49	03/17/16 13:42	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		03/15/16 08:29	03/16/16 04:32	1
Barium	0.24	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:32	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:32	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:32	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:32	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:32	1
Zinc	0.42	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:32	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		03/15/16 08:34	03/16/16 00:44	1
Barium	0.098	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 00:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 00:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 00:44	1
Chromium	0.018	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:44	1
Copper	0.017	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:44	1
Iron	15		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 00:44	1
Lead	0.066		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 00:44	1
Manganese	0.38		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:44	1
Nickel	0.011	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 00:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 00:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-6(0-1)-030816

Lab Sample ID: 500-108493-15

Date Collected: 03/08/16 11:43

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 84.7

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		03/15/16 08:34	03/16/16 00:44	1
Zinc	0.48	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 00:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	0.88	0.18	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Arsenic	2.7		0.44	0.20	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Barium	53		0.44	0.080	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Beryllium	0.33		0.18	0.038	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Cadmium	0.32	B	0.088	0.025	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Calcium	12000	B	88	28	mg/Kg	☼	03/14/16 09:51	03/15/16 22:04	10
Chromium	7.3	B	2.2	0.075	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Cobalt	5.3		0.22	0.049	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Copper	11		0.44	0.095	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Iron	7000	B	8.8	3.4	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Lead	52		0.22	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Magnesium	44000	B	4.4	1.8	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Manganese	540	B	0.44	0.087	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Nickel	8.6	B	0.44	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Potassium	650		22	3.6	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Selenium	0.29	J	0.44	0.22	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Silver	<0.22		0.22	0.051	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Sodium	840		44	5.8	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Thallium	<0.44		0.44	0.22	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Vanadium	9.9		0.22	0.064	mg/Kg	☼	03/14/16 09:51	03/14/16 22:39	1
Zinc	60		0.88	0.28	mg/Kg	☼	03/14/16 09:51	03/15/16 21:59	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		03/15/16 14:30	03/16/16 11:43	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		17	9.1	ug/Kg	☼	03/15/16 16:45	03/16/16 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.14		0.200	0.200	SU			03/10/16 15:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-5(0-1)-030816

Lab Sample ID: 500-108493-16

Date Collected: 03/08/16 11:55

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 18:37	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 18:37	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/10/16 18:37	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 18:37	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/10/16 18:37	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 18:37	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 18:37	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 18:37	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 18:37	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 18:37	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 18:37	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/10/16 18:37	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 18:37	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/10/16 18:37	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 18:37	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 18:37	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 18:37	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 18:37	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 18:37	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 18:37	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 18:37	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/10/16 18:37	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 18:37	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 18:37	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 18:37	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 18:37	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 18:37	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 18:37	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 18:37	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/10/16 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122		03/10/16 18:37	1
Dibromofluoromethane	99		75 - 120		03/10/16 18:37	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 18:37	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 18:37	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	☼	03/10/16 14:49	03/17/16 14:32	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-5(0-1)-030816

Lab Sample ID: 500-108493-16

Date Collected: 03/08/16 11:55

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Acenaphthene	8.8 J		37	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Anthracene	44		37	6.3	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Benzo[a]anthracene	120 *		37	5.1	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Benzo[a]pyrene	120 *		37	7.3	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Benzo[b]fluoranthene	160 *		37	8.1	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Benzo[g,h,i]perylene	130 *		37	12	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Benzo[k]fluoranthene	93 *		37	11	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Bis(2-ethylhexyl) phthalate	150 J *		190	69	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Butyl benzyl phthalate	120 J *		190	72	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Carbazole	<190		190	94	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Chrysene	140 *		37	10	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Fluoranthene	170		37	7.0	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Fluorene	11 J		37	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-5(0-1)-030816

Lab Sample ID: 500-108493-16

Date Collected: 03/08/16 11:55

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130	*	37	9.8	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Phenanthrene	200		37	5.2	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Phenol	<190		190	84	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Pyrene	480	*	37	7.5	ug/Kg	☼	03/10/16 14:49	03/17/16 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		35 - 137				03/10/16 14:49	03/17/16 14:32	1
2-Fluorobiphenyl	83		25 - 119				03/10/16 14:49	03/17/16 14:32	1
2-Fluorophenol	83		25 - 110				03/10/16 14:49	03/17/16 14:32	1
Nitrobenzene-d5	83		25 - 115				03/10/16 14:49	03/17/16 14:32	1
Phenol-d5	63		31 - 110				03/10/16 14:49	03/17/16 14:32	1
Terphenyl-d14	166	X *	36 - 134				03/10/16 14:49	03/17/16 14:32	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		03/15/16 08:29	03/16/16 04:38	1
Barium	0.30	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:38	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:38	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:38	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:38	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:38	1
Manganese	0.87		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:38	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:38	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:38	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:38	1
Zinc	0.32	J B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:38	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		03/15/16 08:34	03/16/16 01:01	1
Barium	0.053	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 01:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 01:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 01:01	1
Chromium	0.014	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:01	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:01	1
Iron	9.0		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 01:01	1
Lead	0.054		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 01:01	1
Manganese	0.17		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 01:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-5(0-1)-030816

Lab Sample ID: 500-108493-16

Date Collected: 03/08/16 11:55

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.5

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		03/15/16 08:34	03/16/16 01:01	1
Zinc	0.30	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 01:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	0.97	0.20	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Arsenic	2.6		0.48	0.22	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Barium	29		0.48	0.089	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Beryllium	0.24		0.19	0.042	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Cadmium	0.24	B	0.097	0.028	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Calcium	140000	B	97	31	mg/Kg	☼	03/14/16 09:51	03/15/16 22:14	10
Chromium	9.8	B	2.4	0.083	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Cobalt	4.2		0.24	0.055	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Copper	11		0.48	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Iron	7400	B	9.7	3.7	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Lead	55		0.24	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Magnesium	85000	B	48	20	mg/Kg	☼	03/14/16 09:51	03/15/16 22:14	10
Manganese	350	B	0.48	0.096	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Nickel	9.7	B	0.48	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Potassium	570		24	4.0	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Selenium	0.36	J	0.48	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Silver	<0.24		0.24	0.057	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Sodium	500		48	6.4	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Vanadium	12		0.24	0.071	mg/Kg	☼	03/14/16 09:51	03/14/16 22:44	1
Zinc	64		0.97	0.31	mg/Kg	☼	03/14/16 09:51	03/15/16 22:09	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		03/15/16 14:30	03/16/16 11:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		18	9.7	ug/Kg	☼	03/15/16 16:45	03/16/16 19:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.84		0.200	0.200	SU			03/10/16 15:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816

Lab Sample ID: 500-108493-17

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 19:02	1
Benzene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/10/16 19:02	1
Bromoform	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 19:02	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/10/16 19:02	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 19:02	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 19:02	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/10/16 19:02	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 19:02	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 19:02	1
cis-1,2-Dichloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 19:02	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/10/16 19:02	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 19:02	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	☼		03/10/16 19:02	1
1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 19:02	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 19:02	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 19:02	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 19:02	1
2-Hexanone	<5.6		5.6	1.8	ug/Kg	☼		03/10/16 19:02	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/10/16 19:02	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 19:02	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 19:02	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	☼		03/10/16 19:02	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 19:02	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 19:02	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 19:02	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 19:02	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 19:02	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 19:02	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 19:02	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/10/16 19:02	1
Dibromofluoromethane	101		75 - 120		03/10/16 19:02	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 19:02	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 19:02	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	☼	03/10/16 14:49	03/17/16 12:26	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816

Lab Sample ID: 500-108493-17

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.5

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	80	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
3,3'-Dichlorobenzidine	<180 *		180	49	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Acenaphthylene	9.4 J		35	4.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Anthracene	<35		35	5.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Benzo[a]anthracene	34 J *		35	4.7	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Benzo[a]pyrene	48 *		35	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Benzo[b]fluoranthene	79 *		35	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Benzo[g,h,i]perylene	28 J *		35	11	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Benzo[k]fluoranthene	33 J *		35	10	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Bis(2-ethylhexyl) phthalate	170 J *		180	64	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Carbazole	<180		180	88	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Chrysene	38 *		35	9.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Dibenz(a,h)anthracene	<35 *		35	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Fluoranthene	43		35	6.5	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816

Lab Sample ID: 500-108493-17

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.5

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	9.1	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Isophorone	<180		180	40	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Phenanthrene	23	J	35	4.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Phenol	<180		180	78	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Pyrene	110	*	35	7.0	ug/Kg	☼	03/10/16 14:49	03/17/16 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137				03/10/16 14:49	03/17/16 12:26	1
2-Fluorobiphenyl	94		25 - 119				03/10/16 14:49	03/17/16 12:26	1
2-Fluorophenol	103		25 - 110				03/10/16 14:49	03/17/16 12:26	1
Nitrobenzene-d5	99		25 - 115				03/10/16 14:49	03/17/16 12:26	1
Phenol-d5	79		31 - 110				03/10/16 14:49	03/17/16 12:26	1
Terphenyl-d14	211	X*	36 - 134				03/10/16 14:49	03/17/16 12:26	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		03/15/16 08:29	03/16/16 04:43	1
Barium	0.23	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:43	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:43	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:43	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:43	1
Manganese	1.1		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:43	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:43	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:43	1
Zinc	0.55	B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:43	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		03/15/16 08:34	03/16/16 01:05	1
Barium	0.067	J	0.50	0.050	mg/L		03/15/16 08:34	03/16/16 01:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 01:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 01:05	1
Chromium	0.020	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:05	1
Copper	0.013	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:05	1
Iron	13		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 01:05	1
Lead	0.061		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 01:05	1
Manganese	0.21		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:05	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 01:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816

Lab Sample ID: 500-108493-17

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.5

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		03/15/16 08:34	03/16/16 01:05	1
Zinc	0.19	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 01:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J	0.87	0.18	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Arsenic	1.6		0.43	0.20	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Barium	15		0.43	0.079	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Beryllium	0.17		0.17	0.038	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Cadmium	0.18	B	0.087	0.025	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Calcium	160000	B	87	28	mg/Kg	☼	03/14/16 09:51	03/15/16 22:23	10
Chromium	6.2	B	2.2	0.075	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Cobalt	2.5		0.22	0.049	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Copper	6.2		0.43	0.094	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Iron	4700	B	8.7	3.3	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Lead	41		0.22	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Magnesium	93000	B	43	18	mg/Kg	☼	03/14/16 09:51	03/15/16 22:23	10
Manganese	260	B	0.43	0.086	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Nickel	5.2	B	0.43	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Potassium	620		22	3.5	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Selenium	0.21	J	0.43	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Silver	<0.22		0.22	0.051	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Sodium	340		43	5.7	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Thallium	<0.43		0.43	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Vanadium	5.7		0.22	0.063	mg/Kg	☼	03/14/16 09:51	03/14/16 22:49	1
Zinc	31		0.87	0.27	mg/Kg	☼	03/14/16 09:51	03/15/16 22:18	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		03/15/16 14:30	03/16/16 11:47	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 12:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	9.1	ug/Kg	☼	03/15/16 16:45	03/16/16 19:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.80		0.200	0.200	SU			03/10/16 15:55	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816D

Lab Sample ID: 500-108493-18

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/10/16 19:28	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		03/10/16 19:28	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		03/10/16 19:28	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		03/10/16 19:28	1
Bromomethane	<6.0 *		6.0	2.2	ug/Kg	☼		03/10/16 19:28	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		03/10/16 19:28	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		03/10/16 19:28	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		03/10/16 19:28	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		03/10/16 19:28	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		03/10/16 19:28	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		03/10/16 19:28	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/10/16 19:28	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		03/10/16 19:28	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		03/10/16 19:28	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		03/10/16 19:28	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		03/10/16 19:28	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		03/10/16 19:28	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		03/10/16 19:28	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		03/10/16 19:28	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		03/10/16 19:28	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		03/10/16 19:28	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		03/10/16 19:28	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		03/10/16 19:28	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		03/10/16 19:28	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		03/10/16 19:28	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		03/10/16 19:28	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		03/10/16 19:28	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		03/10/16 19:28	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		03/10/16 19:28	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/10/16 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/10/16 19:28	1
Dibromofluoromethane	100		75 - 120		03/10/16 19:28	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 19:28	1
Toluene-d8 (Surr)	111		75 - 122		03/10/16 19:28	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	☼	03/10/16 14:49	03/17/16 14:57	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816D

Lab Sample ID: 500-108493-18

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 83.2

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	☼	03/10/16 14:49	03/17/16 14:57	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Anthracene	8.8 J		38	6.4	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Benzo[a]anthracene	41 *		38	5.1	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Benzo[a]pyrene	53 *		38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Benzo[b]fluoranthene	81 *		38	8.2	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Benzo[g,h,i]perylene	<38 *		38	12	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Benzo[k]fluoranthene	<38 *		38	11	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Bis(2-ethylhexyl) phthalate	<190 *		190	70	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Butyl benzyl phthalate	<190 *		190	73	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Carbazole	<190		190	95	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Chrysene	47 *		38	10	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Fluoranthene	53		38	7.1	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816D

Lab Sample ID: 500-108493-18

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 83.2

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	<38	*	38	9.9	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Isophorone	<190		190	43	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Phenanthrene	40		38	5.3	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Phenol	<190		190	85	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1
Pyrene	160	*	38	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		35 - 137	03/10/16 14:49	03/17/16 14:57	1
2-Fluorobiphenyl	81		25 - 119	03/10/16 14:49	03/17/16 14:57	1
2-Fluorophenol	84		25 - 110	03/10/16 14:49	03/17/16 14:57	1
Nitrobenzene-d5	77		25 - 115	03/10/16 14:49	03/17/16 14:57	1
Phenol-d5	72		31 - 110	03/10/16 14:49	03/17/16 14:57	1
Terphenyl-d14	171	X *	36 - 134	03/10/16 14:49	03/17/16 14:57	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		03/15/16 08:29	03/16/16 04:56	1
Barium	0.20	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 04:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 04:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 04:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:56	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:56	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:56	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 04:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 04:56	1
Manganese	1.3		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:56	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 04:56	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 04:56	1
Zinc	0.76	B	0.50	0.020	mg/L		03/15/16 08:29	03/16/16 04:56	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		03/15/16 08:34	03/16/16 01:16	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:34	03/16/16 01:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 01:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 01:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:16	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:16	1
Iron	5.3		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 01:16	1
Lead	0.035		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 01:16	1
Manganese	0.094		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 01:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-4(0-1)-030816D

Lab Sample ID: 500-108493-18

Date Collected: 03/08/16 12:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 83.2

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		03/15/16 08:34	03/16/16 01:16	1
Zinc	0.66		0.50	0.020	mg/L		03/15/16 08:34	03/16/16 01:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J	1.1	0.23	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Arsenic	2.4		0.55	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Barium	28		0.55	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Beryllium	0.26		0.22	0.048	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Cadmium	0.21	B	0.11	0.032	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Calcium	180000	B	110	35	mg/Kg	☼	03/14/16 09:51	03/15/16 22:42	10
Chromium	9.8	B	2.8	0.095	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Cobalt	3.7		0.28	0.062	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Copper	11		0.55	0.12	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Iron	8500	B	11	4.2	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Lead	77		0.28	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Magnesium	100000	B	55	22	mg/Kg	☼	03/14/16 09:51	03/15/16 22:42	10
Manganese	380	B	0.55	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Nickel	8.2	B	0.55	0.15	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Potassium	800		28	4.5	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Selenium	0.42	J	0.55	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Sodium	450		55	7.3	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Vanadium	9.0		0.28	0.080	mg/Kg	☼	03/14/16 09:51	03/14/16 22:54	1
Zinc	44		1.1	0.35	mg/Kg	☼	03/14/16 09:51	03/15/16 22:28	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		03/15/16 14:30	03/16/16 11:49	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		03/15/16 14:30	03/16/16 12:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	9.1	ug/Kg	☼	03/15/16 16:45	03/16/16 19:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.79		0.200	0.200	SU			03/10/16 15:58	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-3(0-1)-030816

Lab Sample ID: 500-108493-19

Date Collected: 03/08/16 12:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 19:53	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 19:53	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/10/16 19:53	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/10/16 19:53	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 19:53	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 19:53	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/10/16 19:53	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/10/16 19:53	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/10/16 19:53	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 19:53	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 19:53	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 19:53	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 19:53	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/10/16 19:53	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/10/16 19:53	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 19:53	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/10/16 19:53	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/10/16 19:53	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 19:53	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 19:53	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 19:53	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/10/16 19:53	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 19:53	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/10/16 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/10/16 19:53	1
Dibromofluoromethane	100		75 - 120		03/10/16 19:53	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/10/16 19:53	1
Toluene-d8 (Surr)	113		75 - 122		03/10/16 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	☼	03/10/16 14:49	03/17/16 12:00	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-3(0-1)-030816

Lab Sample ID: 500-108493-19

Date Collected: 03/08/16 12:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.5

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	80	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
3,3'-Dichlorobenzidine	<180 *		180	49	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Anthracene	<35		35	5.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Benzo[a]anthracene	8.2 J *		35	4.7	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Benzo[a]pyrene	<35 *		35	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Benzo[b]fluoranthene	29 J *		35	7.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Benzo[g,h,i]perylene	<35 *		35	11	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Benzo[k]fluoranthene	<35 *		35	10	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Bis(2-ethylhexyl) phthalate	140 J *		180	64	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Carbazole	<180		180	88	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Chrysene	16 J *		35	9.6	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Dibenz(a,h)anthracene	<35 *		35	6.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Fluoranthene	19 J		35	6.5	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Fluorene	<35		35	4.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Hexachloroethane	<180		180	53	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-3(0-1)-030816

Lab Sample ID: 500-108493-19

Date Collected: 03/08/16 12:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.5

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	9.1	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Isophorone	<180		180	39	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Phenanthrene	7.1	J	35	4.9	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Phenol	<180		180	78	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1
Pyrene	33	J *	35	7.0	ug/Kg	☼	03/10/16 14:49	03/17/16 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		35 - 137	03/10/16 14:49	03/17/16 12:00	1
2-Fluorobiphenyl	91		25 - 119	03/10/16 14:49	03/17/16 12:00	1
2-Fluorophenol	100		25 - 110	03/10/16 14:49	03/17/16 12:00	1
Nitrobenzene-d5	98		25 - 115	03/10/16 14:49	03/17/16 12:00	1
Phenol-d5	62		31 - 110	03/10/16 14:49	03/17/16 12:00	1
Terphenyl-d14	184	X *	36 - 134	03/10/16 14:49	03/17/16 12:00	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		03/15/16 08:29	03/16/16 05:01	1
Barium	0.11	J	0.50	0.050	mg/L		03/15/16 08:29	03/16/16 05:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:29	03/16/16 05:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:29	03/16/16 05:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 05:01	1
Cobalt	0.014	J	0.025	0.010	mg/L		03/15/16 08:29	03/16/16 05:01	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 05:01	1
Iron	8.6		0.40	0.20	mg/L		03/15/16 08:29	03/16/16 05:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:29	03/16/16 05:01	1
Manganese	2.1		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 05:01	1
Nickel	0.010	J	0.025	0.010	mg/L		03/15/16 08:29	03/16/16 05:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:29	03/16/16 05:01	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:29	03/16/16 05:01	1
Zinc	0.94		0.50	0.020	mg/L		03/15/16 08:29	03/16/16 05:01	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		03/15/16 08:34	03/16/16 01:21	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:34	03/16/16 01:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:34	03/16/16 01:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:34	03/16/16 01:21	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:21	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:21	1
Iron	0.88		0.40	0.20	mg/L		03/15/16 08:34	03/16/16 01:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:34	03/16/16 01:21	1
Manganese	0.021	J	0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:21	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:34	03/16/16 01:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:34	03/16/16 01:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Client Sample ID: AL12-3(0-1)-030816

Lab Sample ID: 500-108493-19

Date Collected: 03/08/16 12:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.5

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		03/15/16 08:34	03/16/16 01:21	1
Zinc	0.16	J	0.50	0.020	mg/L		03/15/16 08:34	03/16/16 01:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J	1.0	0.21	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Arsenic	0.79		0.51	0.24	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Barium	5.7		0.51	0.094	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Beryllium	0.14	J	0.20	0.044	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Cadmium	0.27	B	0.10	0.030	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Calcium	22000	B	100	33	mg/Kg	☼	03/14/16 09:51	03/15/16 22:46	10
Chromium	2.9	B	2.6	0.088	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Cobalt	1.1		0.26	0.058	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Copper	2.5		0.51	0.11	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Iron	3800	B	10	3.9	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Lead	6.4		0.26	0.13	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Magnesium	130000	B	51	21	mg/Kg	☼	03/14/16 09:51	03/15/16 22:46	10
Manganese	270	B	0.51	0.10	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Nickel	3.4	B	0.51	0.14	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Potassium	390		26	4.2	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Selenium	0.38	J	0.51	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Sodium	600		51	6.8	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Vanadium	2.3		0.26	0.075	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	1
Zinc	21		1.0	0.32	mg/Kg	☼	03/14/16 09:51	03/14/16 23:08	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		03/15/16 14:30	03/16/16 11:51	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		03/15/16 14:30	03/16/16 12:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	9.4	ug/Kg	☼	03/15/16 16:45	03/16/16 19:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.95		0.200	0.200	SU			03/10/16 16:00	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
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.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108493-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108493 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Scientific Inc
Address: 303 Plaza Circle, Ste 200
Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 28.31/21.45
still

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOC		Total Metals				
<u>IDOT 039</u>								TCU P/S/PLP				
Project Location/State		Lab PM						MERMUS				
<u>WILMINGTON, IL</u>		<u>DUCK WRIGHT</u>						PM				
Sampler		Sampling		# of Containers		Matrix						
<u>A. SIMPSON</u>		Date		Time								
Lab ID	MS/MSD	Sample ID										
<u>1</u>		<u>AL7-4-(0-4)030816</u>	<u>030816</u>	<u>0840</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>2</u>		<u>AL7-3-(0-1)-030816</u>	<u>030816</u>	<u>0910</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>3</u>		<u>AL7-2-(0-1)-030816</u>		<u>0925</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>4</u>		<u>AL7-1-(0-1)030816</u>		<u>0940</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>5</u>		<u>AL9-6-(0-1)030816</u>		<u>1000</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>6</u>		<u>AL9-6-(0-1)030816</u>		<u>1000</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>7</u>		<u>AL9-5-(0-1)030816</u>		<u>1010</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>8</u>		<u>AL9-4-(0-1)030816</u>		<u>1015</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>9</u>		<u>AL9-3-(0-1)030816</u>		<u>1025</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>10</u>		<u>AL9-2-(0-1)030816</u>		<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days 20 Days 30 Days Other

Sample Disposal

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
<u>D.S.</u>	<u>WESTON</u>	<u>030816</u>	<u>1540</u>	<u>[Signature]</u>	<u>TA</u>	<u>3/8/16</u>	<u>1540</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
<u>[Signature]</u>	<u>TA</u>	<u>3/8/16</u>	<u>1645</u>	<u>[Signature]</u>	<u>TA-CHE</u>	<u>3/8/16</u>	<u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: JR
Shipped:
Hand Delivered:

Matrix Key
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air
 SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusjner
Company: Weston Solutions
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108493
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>WESTON</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM											
<u>100T 039</u>		<u>WILMINGTON, IL</u>				<u>A-SIMPSON</u>		<u>DICK WRIGHT</u>											
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	TGM Metals	TCLP/SLP Metals	GM							Comments	
			Date	Time															
<u>11</u>		<u>AL9-1(0-1)-030816</u>	<u>3/8/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>12</u>		<u>RL0-3(0-1)-030816</u>		<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>13</u>		<u>RL0-2(0-1)-030816</u>		<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>14</u>		<u>RL0-1(0-1)-070816</u>		<u>1135</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>15</u>		<u>AL12-6(0-1)-030816</u>		<u>1145</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>16</u>		<u>AL12-5(0-1)-030816</u>		<u>1155</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>17</u>		<u>AL12-4(0-1)-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>18</u>		<u>AL12-4(0-1)D-030816</u>		<u>1205</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>19</u>		<u>AL12-3(0-1)-030816</u>		<u>1225</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>20</u>		<u>AL12-2(0-1)-030816</u>		<u>1240</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 30 business Other
 Requested Due Date _____

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

Relinquished By <u>RZ</u> Company <u>WESTON</u> Date <u>3/8/16</u> Time <u>15:40</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>15:40</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>3/8/16</u> Time <u>16:45</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108494-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/17/2016 4:50:48 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL12-1(0-1)-030816

Lab Sample ID: 500-108494-1

Date Collected: 03/08/16 13:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 15:03	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:03	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		03/10/16 15:03	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:03	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:03	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:03	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:03	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:03	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/10/16 15:03	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 15:03	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:03	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:03	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:03	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/10/16 15:03	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:03	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/10/16 15:03	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:03	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 15:03	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 15:03	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:03	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/10/16 15:03	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/10/16 15:03	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 15:03	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:03	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:03	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:03	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/10/16 15:03	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:03	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 15:03	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:03	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 15:03	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:03	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 15:03	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 15:03	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:03	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/10/16 15:03	1
Dibromofluoromethane	109		75 - 120		03/10/16 15:03	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/10/16 15:03	1
Toluene-d8 (Surr)	106		75 - 122		03/10/16 15:03	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	☼	03/10/16 15:43	03/15/16 12:55	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL12-1(0-1)-030816

Lab Sample ID: 500-108494-1

Date Collected: 03/08/16 13:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

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	86	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,4-Dinitrophenol	<760	F1	760	670	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
3,3'-Dichlorobenzidine	<190	* F1 F2	190	53	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4,6-Dinitro-2-methylphenol	<760	F1	760	300	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Anthracene	<38		38	6.3	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Benzo[a]anthracene	41	*	38	5.1	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Benzo[a]pyrene	43	*	38	7.3	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Benzo[b]fluoranthene	86	*	38	8.2	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Benzo[g,h,i]perylene	<38	*	38	12	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Benzo[k]fluoranthene	36	J *	38	11	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Bis(2-chloroethyl)ether	<190	F2	190	57	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Bis(2-ethylhexyl) phthalate	140	J * F1	190	69	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Butyl benzyl phthalate	<190	* F1	190	72	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Carbazole	<190		190	95	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Chrysene	52	*	38	10	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Dibenz(a,h)anthracene	<38	*	38	7.3	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Di-n-octyl phthalate	<190	F1	190	62	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Fluoranthene	59	F1	38	7.0	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Hexachlorocyclopentadiene	<760	F1	760	220	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Hexachloroethane	<190	F1	190	58	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL12-1(0-1)-030816

Lab Sample ID: 500-108494-1

Date Collected: 03/08/16 13:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

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	<38	*	38	9.8	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Isophorone	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Naphthalene	<38		38	5.8	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Pentachlorophenol	<760	F1	760	610	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Phenanthrene	39		38	5.3	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Phenol	<190		190	84	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1
Pyrene	190	* F1	38	7.5	ug/Kg	☼	03/10/16 15:43	03/15/16 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		35 - 137	03/10/16 15:43	03/15/16 12:55	1
2-Fluorobiphenyl	94		25 - 119	03/10/16 15:43	03/15/16 12:55	1
2-Fluorophenol	83		25 - 110	03/10/16 15:43	03/15/16 12:55	1
Nitrobenzene-d5	91		25 - 115	03/10/16 15:43	03/15/16 12:55	1
Phenol-d5	77		31 - 110	03/10/16 15:43	03/15/16 12:55	1
Terphenyl-d14	262	X *	36 - 134	03/10/16 15:43	03/15/16 12:55	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		03/15/16 08:31	03/17/16 01:27	1
Barium	0.29	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 01:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 01:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 01:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:27	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:27	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 01:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 01:27	1
Manganese	0.013	J	0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 01:27	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:27	1
Zinc	0.51	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 01:27	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		03/15/16 08:35	03/16/16 13:16	1
Barium	0.18	J	0.50	0.050	mg/L		03/15/16 08:35	03/15/16 23:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/15/16 23:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/15/16 23:32	1
Chromium	0.036		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:32	1
Copper	0.033		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:32	1
Iron	27		0.40	0.20	mg/L		03/15/16 08:35	03/15/16 23:32	1
Lead	0.11		0.0075	0.0075	mg/L		03/15/16 08:35	03/15/16 23:32	1
Manganese	0.46		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:32	1
Nickel	0.020	J	0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/15/16 23:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL12-1(0-1)-030816

Lab Sample ID: 500-108494-1

Date Collected: 03/08/16 13:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

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		03/15/16 08:35	03/15/16 23:32	1
Zinc	0.20	J	0.50	0.020	mg/L		03/15/16 08:35	03/15/16 23:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1	F1	1.1	0.24	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Arsenic	2.8		0.57	0.26	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Barium	58		0.57	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Beryllium	0.33		0.23	0.049	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Cadmium	0.28	B	0.11	0.033	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Calcium	34000	B	11	3.7	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Chromium	10	B F1	2.9	0.098	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Cobalt	4.7		0.29	0.065	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Copper	15		0.57	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Iron	7400	B	11	4.4	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Lead	57		0.29	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Magnesium	22000	B	5.7	2.3	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Manganese	510	F2 B	0.57	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Nickel	8.1	B	0.57	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Potassium	530	F1	29	4.7	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Selenium	0.30	J	0.57	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Sodium	390		57	7.5	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Vanadium	11		0.29	0.083	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1
Zinc	61	F1	1.1	0.36	mg/Kg	☼	03/14/16 15:31	03/15/16 12:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 14:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 15:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		18	9.4	ug/Kg	☼	03/15/16 16:45	03/16/16 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.86		0.200	0.200	SU			03/10/16 16:06	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108494 COC

Report To (optional)
Contact: S. Babusukumar
Company: WESTON SAUNTONS
Address: Wilmington, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8

Client		Client Project #		Preservative							Preservative Key	
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>				1. HCL, Cool to 4°
Project Name		Project Location/State		Parameter							Comments	
<u>108494</u>		<u>WILMINGTON, IL</u>		<u>VOC</u>								
Sampler		Lab PM		Matrix								
<u>A. Simpson</u>		<u>DICK WRIGHT</u>		<u>SOIL</u>								
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix						
			Date	Time								
<u>1</u>		<u>AL12-1-(0-1)-030816</u>	<u>3/8/16</u>	<u>1305</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>AL13-2-(0-1)-030816</u>	<u>3/8/16</u>	<u>1320</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>3</u>		<u>AL13-1-(0-1)-030816</u>		<u>1325</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>4</u>		<u>AL14-1-(0-1)-030816</u>		<u>1340</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>5</u>		<u>AL15-8-(0-1)-030816</u>		<u>1350</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>6</u>		<u>AL15-7-(0-1)-030816</u>		<u>1357</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>7</u>		<u>AL15-6-(0-1)-030816</u>		<u>1405</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>8</u>		<u>AL15-5-(0-1)-030816</u>		<u>1415</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>9</u>		<u>AL15-4-(0-1)-030816</u>		<u>1428</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>10</u>		<u>AL15-4-(0-1)D-030816</u>		<u>1428</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Retained Other
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>AJ</u> Company: <u>WESTON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Received By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Received By: <u>[Signature]</u> Company: <u>TA-CPE</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusikumar
 Company: Weston Solution
 Address: 300 Plaza Circle, Ste 200
 Address: Mableton, IL
 Phone: 224-864-7250
 Fax:
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>1005 039</u>											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
<u>WILMINGTON, IL</u>		<u>DICK WRIGHT</u>									
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
<u>A. SIMPSON</u>		<u>DICK WRIGHT</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
<u>11</u>		<u>AL15-3-(0-1)-030816</u>	<u>030816</u>	<u>1435</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>AL15-2-(0-1)-030816</u>	<u>↓</u>	<u>1440</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>13</u>		<u>AL15-1-(0-1)-030816</u>	<u>↓</u>	<u>1505</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>14</u>		<u>AL16-6-(0-1)-030816</u>	<u>↓</u>	<u>1515</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>15</u>		<u>AL16-5-(0-1)-030816</u>	<u>↓</u>	<u>1525</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)
 Requested Due Date: 2 Days 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other per contract

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

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>15:48</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Received By: <u>[Signature]</u> Company: <u>TA-ERT</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18740 IL 102 (ISGS Site No. 2946-13)

City: Wesley Township 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: 41.233763783 Longitude: -88.059769646
(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.233763783 Longitude: -88.059769646

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 R13-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2946-13. SEE FIGURE 3-11 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108494-1.
ALSO SEE FIGURE 4-11 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz

Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R13-1(0-1)-030816	Soil Reference Concentrations^A
Sample Date	3/8/2016	
Location ID	R13-1	
Depth	0 - 1	
ISGS Site No.	2946-13	
Parameter		
Laboratory pH (s.u.)	7.68	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
2-Methylnaphthalene	22 J	---
Acenaphthene	77	570000
Acenaphthylene	23 J	---
Anthracene	88	1.20E+07
Benzo(a)anthracene	310 J	900 / 1100 / 1800
Benzo(a)pyrene	290 J	90 / 1300 / 2100
Benzo(b)fluoranthene	450 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	200 J	---
Benzo(k)fluoranthene	190 J	9000
bis(2-Ethylhexyl)phthalate	170 J	46000
Chrysene	310 J	88000
Fluoranthene	500	3100000
Fluorene	55	560000
Indeno(1,2,3-cd)pyrene	180 J	900 / 900 / 1600
Naphthalene, SVOC	33 J	1800
Phenanthrene	550	---
Pyrene	1100 J	2300000
Total Metals (mg/kg)		
Arsenic, Total	2.4	11.3 / 13
Barium, Total	39	1500
Beryllium, Total	0.29	22
Cadmium, Total	0.36 B	5.2
Calcium, Total	53000 J	---
Chromium, Total	ND	21
Cobalt, Total	3	20
Copper, Total	16	2900
Iron, Total	6000 J+	15000 / 15900
Lead, Total	110 J	107
Magnesium, Total	30000 J	325000
Manganese, Total	300 J	630 / 636
Mercury, Total	0.019	0.89
Nickel, Total	6.5 B	100
Potassium, Total	550 J+	---
Sodium, Total	330	---
Vanadium, Total	8.2	550
Zinc, Total	67 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.35 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.21	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Zinc, TCLP	ND	5

Summary Table of ISGS Site No. 2946-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R13-1(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	
Location ID	R13-1	
Depth	0 - 1	
ISGS Site No.	2946-13	
Parameter		
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.099 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.02 J	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.021 J	0.65
Iron, SPLP	12 J+	5
Lead, SPLP	0.11	0.0075
Manganese, SPLP	0.3	0.15
Mercury, SPLP	0.019	0.002
Nickel, SPLP	ND	0.1
Zinc, SPLP	0.11 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108494-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/17/2016 4:50:48 PM

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

LINKS

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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
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- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R13-1(0-1)-030816

Lab Sample ID: 500-108494-3

Date Collected: 03/08/16 13:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 15:55	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:55	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		03/10/16 15:55	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:55	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:55	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:55	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:55	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:55	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/10/16 15:55	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 15:55	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:55	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:55	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:55	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/10/16 15:55	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:55	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/10/16 15:55	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 15:55	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 15:55	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 15:55	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:55	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/10/16 15:55	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/10/16 15:55	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 15:55	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:55	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:55	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:55	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/10/16 15:55	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 15:55	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 15:55	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:55	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 15:55	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 15:55	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 15:55	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 15:55	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 15:55	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/10/16 15:55	1
Dibromofluoromethane	108		75 - 120		03/10/16 15:55	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/10/16 15:55	1
Toluene-d8 (Surr)	107		75 - 122		03/10/16 15:55	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	☼	03/10/16 15:43	03/14/16 17:05	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R13-1(0-1)-030816

Lab Sample ID: 500-108494-3

Date Collected: 03/08/16 13:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2-Methylnaphthalene	22	J	37	6.9	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Acenaphthene	77		37	6.7	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Acenaphthylene	23	J	37	4.9	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Anthracene	88		37	6.2	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Benzo[a]anthracene	310	*	37	5.0	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Benzo[a]pyrene	290	*	37	7.2	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Benzo[b]fluoranthene	450	*	37	8.1	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Benzo[g,h,i]perylene	200	*	37	12	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Benzo[k]fluoranthene	190	*	37	11	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Bis(2-ethylhexyl) phthalate	170	J *	190	68	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Butyl benzyl phthalate	<190	*	190	71	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Carbazole	<190		190	93	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Chrysene	310	*	37	10	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Fluoranthene	500		37	6.9	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Fluorene	55		37	5.2	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R13-1(0-1)-030816

Lab Sample ID: 500-108494-3

Date Collected: 03/08/16 13:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

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	180	*	37	9.7	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Naphthalene	33	J	37	5.7	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Phenanthrene	550		37	5.2	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Phenol	<190		190	83	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Pyrene	1100	*	37	7.4	ug/Kg	☼	03/10/16 15:43	03/14/16 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		35 - 137				03/10/16 15:43	03/14/16 17:05	1
2-Fluorobiphenyl	83		25 - 119				03/10/16 15:43	03/14/16 17:05	1
2-Fluorophenol	69		25 - 110				03/10/16 15:43	03/14/16 17:05	1
Nitrobenzene-d5	70		25 - 115				03/10/16 15:43	03/14/16 17:05	1
Phenol-d5	77		31 - 110				03/10/16 15:43	03/14/16 17:05	1
Terphenyl-d14	203	X *	36 - 134				03/10/16 15:43	03/14/16 17:05	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		03/15/16 08:31	03/17/16 01:37	1
Barium	0.35	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 01:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 01:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 01:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:37	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:37	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 01:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 01:37	1
Manganese	0.21		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 01:37	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:37	1
Zinc	0.12	J B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 01:37	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		03/15/16 08:35	03/16/16 13:24	1
Barium	0.099	J	0.50	0.050	mg/L		03/15/16 08:35	03/15/16 23:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/15/16 23:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/15/16 23:41	1
Chromium	0.020	J	0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:41	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:41	1
Copper	0.021	J	0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:41	1
Iron	12		0.40	0.20	mg/L		03/15/16 08:35	03/15/16 23:41	1
Lead	0.11		0.0075	0.0075	mg/L		03/15/16 08:35	03/15/16 23:41	1
Manganese	0.30		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:41	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/15/16 23:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R13-1(0-1)-030816

Lab Sample ID: 500-108494-3

Date Collected: 03/08/16 13:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 87.3

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		03/15/16 08:35	03/15/16 23:41	1
Zinc	0.11	J	0.50	0.020	mg/L		03/15/16 08:35	03/15/16 23:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Arsenic	2.4		0.54	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Barium	39		0.54	0.099	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Beryllium	0.29		0.22	0.047	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Cadmium	0.36	B	0.11	0.031	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Calcium	53000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 07:13	10
Chromium	8.6	B	2.7	0.093	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Cobalt	3.0		0.27	0.061	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Copper	16		0.54	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Iron	6000	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Lead	110		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Magnesium	30000	B	5.4	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Manganese	300	B	0.54	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Nickel	6.5	B	0.54	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Potassium	550		27	4.4	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Sodium	330		54	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Vanadium	8.2		0.27	0.079	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	1
Zinc	67		1.1	0.34	mg/Kg	☼	03/14/16 15:31	03/15/16 13:30	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		03/15/16 14:30	03/16/16 14:34	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		03/15/16 14:30	03/16/16 15:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		18	9.5	ug/Kg	☼	03/15/16 16:45	03/16/16 19:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.68		0.200	0.200	SU			03/10/16 16:11	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108494 COC

Report To (optional)
Contact: S. Babusukumar
Company: WETON SAUNONS
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8

Client		Client Project #		Preservative		Parameter		Sampler		Lab PM		Preservative Key	
<u>WETON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Project Location/State		Sampling		# of Containers		Matrix		Comments			
<u>1084 039</u>		<u>WILMINGTON, IL</u>		Date	Time								
<u>A. SIMPSON</u>		<u>DICK WRIGHT</u>											
1	AL12-1-(0-1)-030816	30816	1305	2	S	X	X	X	X	X			
2	AL13-2-(0-1)-030816	030816	1320	2	S	X	X	X	X	X			
3	AL13-1-(0-1)-030816		1325	2	S	X	X	X	X	X			
4	AL14-1-(0-1)-030816		1340	2	S	X	X	X	X	X			
5	AL15-8-(0-1)-030816		1350	2	S	X	X	X	X	X			
6	AL15-7-(0-1)-030816		1357	2	S	X	X	X	X	X			
7	AL15-6-(0-1)-030816		1405	2	S	X	X	X	X	X			
8	AL15-5-(0-1)-030816		1415	2	S	X	X	X	X	X			
9	AL15-4-(0-1)-030816		1428	2	S	X	X	X	X	X			
10	AL15-4-(0-1)D-030816		1428	2	S	X	X	X	X	X			

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other Retained
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>AS</u> Company: <u>WETON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Received By: <u>[Signature]</u> Company: <u>WETON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>WETON</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Received By: <u>[Signature]</u> Company: <u>WETON</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusikumar
 Company: Weston Solution
 Address: 300 Plaza Circle, Ste 200
 Address: Mableton, IL
 Phone: 224-864-7250
 Fax:
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>			
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>1005 039</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>WILMINGTON, IL</u>		<u>DICK WRIGHT</u>										
Sampler		Lab Project #		Date		Time		# of Containers		Matrix		
<u>A. SIMPSON</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix						
<u>11</u>		<u>AL15-3-(0-1)-030816</u>	<u>030816</u>	<u>1435</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>AL15-2-(0-1)-030816</u>	<u>↓</u>	<u>1440</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>13</u>		<u>AL15-1-(0-1)-030816</u>	<u>↓</u>	<u>1505</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>14</u>		<u>AL16-6-(0-1)-030816</u>	<u>↓</u>	<u>1515</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>15</u>		<u>AL16-5-(0-1)-030816</u>	<u>↓</u>	<u>1525</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)
 Requested Due Date: 2 Days 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Contract Other
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>15:48</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Received By: <u>[Signature]</u> Company: <u>TA-ERT</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18780 IL 102 (ISGS Site No. 2946-14)

City: Wesley Township 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: 41.234027713 Longitude: -88.060387781

(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

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty LineLatitude: 41.234027713 Longitude: -88.060387781Uncontaminated 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 R14-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2946-14. SEE FIGURE 3-11 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108494-1.
ALSO SEE FIGURE 4-11 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 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R14-1(0-1)-030816	Soil Reference Concentrations^A
Sample Date	3/8/2016	
Location ID	R14-1	
Depth	0 - 1	
ISGS Site No.	2946-14	
Parameter		
Laboratory pH (s.u.)	7.63	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Benzo(a)anthracene	25 J	900 / 1100 / 1800
Benzo(a)pyrene	33 J	90 / 1300 / 2100
Benzo(b)fluoranthene	60 *	900 / 1500 / 2100
Benzo(k)fluoranthene	25 J	9000
Chrysene	35	88000
Fluoranthene	49	3100000
Phenanthrene	31 J	---
Pyrene	95	2300000
Total Metals (mg/kg)		
Arsenic, Total	1.6	11.3 / 13
Barium, Total	16	1500
Beryllium, Total	0.27	22
Cadmium, Total	0.84 B	5.2
Calcium, Total	110000 J	---
Chromium, Total	10 J	21
Cobalt, Total	2.8	20
Copper, Total	8.2	2900
Iron, Total	12000 J+	15000 / 15900
Lead, Total	85 J	107
Magnesium, Total	50000 J	325000
Manganese, Total	250 J	630 / 636
Mercury, Total	0.011 J	0.89
Nickel, Total	6.4 B	100
Potassium, Total	530 J+	---
Selenium, Total	0.42 J	1.3
Sodium, Total	290	---
Vanadium, Total	5.1	550
Zinc, Total	270 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.12 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.59	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Zinc, TCLP	0.5 B	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	ND	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.016 J	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	ND	0.65
Iron, SPLP	6.5 J+	5
Lead, SPLP	0.1	0.0075
Manganese, SPLP	0.18	0.15
Mercury, SPLP	0.011 J	0.002
Nickel, SPLP	ND	0.1
Selenium, SPLP	ND	0.05
Zinc, SPLP	0.092 J	5

Summary Table of ISGS Site No. 2946-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, 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.


* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108494-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/17/2016 4:50:48 PM

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

LINKS

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www.testamericainc.com

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

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

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

- 1
- 2
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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R14-1(0-1)-030816

Lab Sample ID: 500-108494-4

Date Collected: 03/08/16 13:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 16:21	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 16:21	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		03/10/16 16:21	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 16:21	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 16:21	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 16:21	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 16:21	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/10/16 16:21	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 16:21	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 16:21	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/10/16 16:21	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 16:21	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/10/16 16:21	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 16:21	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		03/10/16 16:21	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 16:21	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 16:21	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/10/16 16:21	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/10/16 16:21	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 16:21	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 16:21	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/10/16 16:21	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 16:21	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/10/16 16:21	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 16:21	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 16:21	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 16:21	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/10/16 16:21	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 16:21	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/10/16 16:21	1
Dibromofluoromethane	108		75 - 120		03/10/16 16:21	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/10/16 16:21	1
Toluene-d8 (Surr)	108		75 - 122		03/10/16 16:21	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	☼	03/10/16 15:43	03/14/16 14:17	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R14-1(0-1)-030816

Lab Sample ID: 500-108494-4

Date Collected: 03/08/16 13:40

Matrix: Solid

Date Received: 03/08/16 16:45

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	<340		340	78	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2-Methylphenol	<170		170	55	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4,6-Dinitro-2-methylphenol	<690		690	280	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Anthracene	<34		34	5.7	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Benzo[a]anthracene	25	J	34	4.6	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Benzo[a]pyrene	33	J *	34	6.7	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Benzo[b]fluoranthene	60	*	34	7.4	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Benzo[g,h,i]perylene	<34	*	34	11	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Benzo[k]fluoranthene	25	J *	34	10	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Carbazole	<170		170	86	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Chrysene	35		34	9.4	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Dibenz(a,h)anthracene	<34	*	34	6.6	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Dibenzofuran	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Fluoranthene	49		34	6.4	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Fluorene	<34		34	4.8	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Hexachloroethane	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R14-1(0-1)-030816

Lab Sample ID: 500-108494-4

Date Collected: 03/08/16 13:40

Matrix: Solid

Date Received: 03/08/16 16:45

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	<34	*	34	8.9	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Isophorone	<170		170	39	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Naphthalene	<34		34	5.3	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
N-Nitrosodi-n-propylamine	<69		69	42	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Phenanthrene	31	J	34	4.8	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Phenol	<170		170	76	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1
Pyrene	95		34	6.8	ug/Kg	☼	03/10/16 15:43	03/14/16 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		35 - 137	03/10/16 15:43	03/14/16 14:17	1
2-Fluorobiphenyl	85		25 - 119	03/10/16 15:43	03/14/16 14:17	1
2-Fluorophenol	79		25 - 110	03/10/16 15:43	03/14/16 14:17	1
Nitrobenzene-d5	79		25 - 115	03/10/16 15:43	03/14/16 14:17	1
Phenol-d5	87		31 - 110	03/10/16 15:43	03/14/16 14:17	1
Terphenyl-d14	180	X	36 - 134	03/10/16 15:43	03/14/16 14:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Barium	0.12	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 01:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 01:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 01:42	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 01:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 01:42	1
Manganese	0.59		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 01:42	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:42	1
Zinc	0.50	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 01:42	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		03/15/16 08:35	03/16/16 13:29	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:35	03/15/16 23:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/15/16 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/15/16 23:53	1
Chromium	0.016	J	0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:53	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:53	1
Iron	6.5		0.40	0.20	mg/L		03/15/16 08:35	03/15/16 23:53	1
Lead	0.10		0.0075	0.0075	mg/L		03/15/16 08:35	03/15/16 23:53	1
Manganese	0.18		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/15/16 23:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: R14-1(0-1)-030816

Lab Sample ID: 500-108494-4

Date Collected: 03/08/16 13:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.1

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		03/15/16 08:35	03/15/16 23:53	1
Zinc	0.092	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/15/16 23:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Arsenic	1.6		0.53	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Barium	16		0.53	0.098	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Beryllium	0.27		0.21	0.046	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Cadmium	0.84	B	0.11	0.031	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Calcium	110000	B ^	110	34	mg/Kg	☼	03/14/16 15:31	03/16/16 07:17	10
Chromium	10	B	2.7	0.092	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Cobalt	2.8		0.27	0.060	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Copper	8.2		0.53	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Iron	12000	B	11	4.1	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Lead	85		0.27	0.13	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Magnesium	50000	B	5.3	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Manganese	250	B	0.53	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Nickel	6.4	B	0.53	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Potassium	530		27	4.3	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Selenium	0.42	J	0.53	0.26	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Sodium	290		53	7.0	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Vanadium	5.1		0.27	0.078	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	1
Zinc	270		1.1	0.34	mg/Kg	☼	03/14/16 15:31	03/15/16 13:35	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		03/15/16 14:30	03/16/16 14:36	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		03/15/16 14:30	03/16/16 15:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	9.6	ug/Kg	☼	03/15/16 16:45	03/16/16 19:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.63		0.200	0.200	SU			03/10/16 16:14	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108494 COC

Report To (optional)
Contact: S. Babuska
Company: WETON SAUNONS
Address: Mundelein, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8

Client		Client Project #		Preservative		Parameter		Sampler		Lab PM		Preservative Key	
<u>WETON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Project Location/State		Sampling		Matrix		Comments					
<u>1084 039</u>		<u>WILMINGTON, IL</u>		Date	Time	# of Containers	Matrix						
<u>A. Simpson</u>		<u>DICK WRIGHT</u>											
1	AL12-1-(0-1)-030816	30816	1305	2	S	X	X	X	X	X			
2	AL13-2-(0-1)-030816	030816	1320	2	S	X	X	X	X	X			
3	AL13-1-(0-1)-030816		1325	2	S	X	X	X	X	X			
4	AL14-1-(0-1)-030816		1340	2	S	X	X	X	X	X			
5	AL15-8-(0-1)-030816		1350	2	S	X	X	X	X	X			
6	AL15-7-(0-1)-030816		1357	2	S	X	X	X	X	X			
7	AL15-6-(0-1)-030816		1405	2	S	X	X	X	X	X			
8	AL15-5-(0-1)-030816		1415	2	S	X	X	X	X	X			
9	AL15-4-(0-1)-030816		1428	2	S	X	X	X	X	X			
10	AL15-4-(0-1)D-030816		1428	2	S	X	X	X	X	X			

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Retained Other

Sample Disposal

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

Relinquished By: <u>AS</u>	Company: <u>WETON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>	Received By: <u>[Signature]</u>	Company: <u>WETON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>
Relinquished By: <u>[Signature]</u>	Company: <u>WETON</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>	Received By: <u>[Signature]</u>	Company: <u>WETON</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusikumar
 Company: Weston Solution
 Address: 300 Plaza Circle, Ste 200
 Address: Mableton, IL
 Phone: 224-864-7250
 Fax:
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>1005 039</u>											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
<u>WILMINGTON, IL</u>		<u>DICK WRIGHT</u>									
Sampler		Lab Project #		Date		Time		# of Containers		Matrix	
<u>A. SIMPSON</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
<u>11</u>		<u>AL15-3-(0-1)-030816</u>	<u>030816</u>	<u>1435</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>AL15-2-(0-1)-030816</u>	<u>↓</u>	<u>1440</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>13</u>		<u>AL15-1-(0-1)-030816</u>	<u>↓</u>	<u>1505</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>14</u>		<u>AL16-6-(0-1)-030816</u>	<u>↓</u>	<u>1515</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>15</u>		<u>AL16-5-(0-1)-030816</u>	<u>↓</u>	<u>1525</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By: <u>[Signature]</u>	Company: <u>WESTON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/8/16</u>	Time: <u>15:48</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>	Received By: <u>[Signature]</u>	Company: <u>TA-ERT</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>

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:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18000 block of IL 102 (ISGS Site No. 15)

City: Wesley Township 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: 41.236130235 Longitude: -88.065457166
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.236130235 Longitude: -88.065457166

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 AL15-2 THROUGH AL15-8 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-15. SEE FIGURES 3-10 AND 3-11 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108494-1.
ALSO SEE FIGURES 4-10 AND 4-11 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:

25 APRIL 2016

Date:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:



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

Summary Table of ISGS Site No. 2946-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL15-2(0-1)-030816	AL15-3(0-1)-030816	AL15-4(0-1)-030816	AL15-4(0-1)-030816D	AL15-5(0-1)-030816	AL15-6(0-1)-030816	AL15-7(0-1)-030816	AL15-8(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	
Location ID	AL15-2	AL15-3	AL15-4	AL15-4	AL15-5	AL15-6	AL15-7	AL15-8	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-15	2946-15	2946-15	2946-15	2946-15	2946-15	2946-15	2946-15	
Parameter									
Laboratory pH (s.u.)	7.7	7.86	7.39	7.34	7.25	7.63	7.69	7.6	<6.25,>9.0
VOCs (ug/kg)	None Detected								
SVOCs (ug/kg)									
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	180 J	ND	ND	250
Acenaphthene	ND	ND	ND	ND	ND	9.4 J	ND	ND	570000
Acenaphthylene	18 J	ND	4.9 J	ND	ND	6.2 J	9.8 J	ND	---
Anthracene	12 J	12 J	11 J	8 J	ND	22 J	6.5 J	ND	1.20E+07
Benzo(a)anthracene	49	83 J	67	42 J	21 J	120 J	38 J	21 J	900 / 1100 / 1800
Benzo(a)pyrene	70 J	130 J	65 J	49 J	26 J	96 J	50 J	22 J	90 / 1300 / 2100
Benzo(b)fluoranthene	130 J	150 J	110 J	80 J	55 J	190 J	74 J	38 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	48 J	170 J	29 J	ND	ND	180 J	64 J	ND	---
Benzo(k)fluoranthene	50 J	31 J	49 J	29 J	19 J	74 J	36 J	17 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	150 J	ND	ND	ND	ND	46000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	110 J	ND	ND	930000
Chrysene	56	130 J	70	50 J	25 J	110 J	47 J	23 J	88000
Fluoranthene	85	70 J	130 J	53 J	35	110 J	45	37	3100000
Fluorene	ND	ND	ND	ND	ND	8 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	36 J	120 J	26 J	ND	35 ND	76 J	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	6.9 J	ND	ND	ND	ND	ND	ND	ND	1800
Phenanthrene	48	66 J	53	49	27 J	120 J	32 J	21 J	---
Pyrene	95	250 J	160	150 J	56	330 J	120 J	40	2300000
Total Metals (mg/kg)									
Arsenic, Total	2.3	1.7	2.2	2	2	1.3	1.5	1.7	11.3 / 13
Barium, Total	43	64	33 J	99 J	25	15	16	25	1500
Beryllium, Total	0.31	0.32	0.36	0.32	0.26	0.22	0.26	0.25	22
Cadmium, Total	0.3 B	ND	ND	ND	ND	ND	ND	0.32 B	5.2
Calcium, Total	55000 J	52000 J	60000 J	68000 J	41000 J	150000 J	120000 J	61000 J	---
Chromium, Total	12 J	12 J	7.9 ND	ND	ND	ND	ND	ND	21
Cobalt, Total	3.4	2.9	3.4	3.1	3	1.8	2	2.8	20
Copper, Total	11	15	10	9.7	8	5.6	8.9	8.4	2900
Iron, Total	6600 J+	6400 J+	6800 J+	6100 J+	6400 J+	4900 J+	5700 J+	5200 J+	15000 / 15900
Lead, Total	110 J	86 J	83 J	77 J	43 J	69 J	72 J	44 J	107
Magnesium, Total	31000 J	26000 J	30000 J	37000 J	22000 J	89000 J	69000 J	32000 J	325000
Manganese, Total	410 J	270 J	280 J	260 J	230 J	220 J	220 J	300 J	630 / 636
Mercury, Total	0.02	0.016 J	0.025	0.021	0.019	0.011 J	0.013 J	0.017 J	0.89
Nickel, Total	7.1 B	7 B	7 B	6.9 B	6 B	5 B	5.1 B	6 B	100
Potassium, Total	420 J+	440 J+	540 J+	490 J+	400 J+	580 J+	540 J+	440 J+	---
Selenium, Total	0.28 J	ND	ND	ND	ND	ND	0.37 J	ND	1.3
Sodium, Total	220	380	260 J	500 J	250	350	310	430	---
Vanadium, Total	8.8	7.8	8.6	8.8	8.1	5.5	6.2	5.8	550
Zinc, Total	63 J	61 J	53 J	51 J	48 J	46 J	40 J	76 J	5100

Summary Table of ISGS Site No. 2946-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL15-2(0-1)-030816	AL15-3(0-1)-030816	AL15-4(0-1)-030816	AL15-4(0-1)-030816D	AL15-5(0-1)-030816	AL15-6(0-1)-030816	AL15-7(0-1)-030816	AL15-8(0-1)-030816	Soil Reference Concentrations ^A
Sample Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	
Location ID	AL15-2	AL15-3	AL15-4	AL15-4	AL15-5	AL15-6	AL15-7	AL15-8	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-15	2946-15	2946-15	2946-15	2946-15	2946-15	2946-15	2946-15	
Parameter									
TCLP Metals (mg/l)									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.37 J	0.19 J	0.24 J	0.21 J	0.18 J	0.091 J	0.14 J	0.2 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0092	ND	ND	0.0075
Manganese, TCLP	0.13	0.32	0.082	0.066	0.11	0.67	0.8	0.22	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.54 B	0.94 B	0.95 B	ND	0.42 J	1.1 B	0.78 B	5
SPLP Metals (mg/l)									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.12 J	ND	0.069 J	0.061 J	0.062 J	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.027	ND	0.016 J	0.013 J	0.012 J	ND	ND	0.011 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.02 J	ND	0.013 J	0.011 J	0.011 J	ND	ND	ND	0.65
Iron, SPLP	17 J+	3.8 J+	9.3 J+	7.8 J+	9.5 J+	2.7 J+	3 J+	5.7 J+	5
Lead, SPLP	0.089	0.057	0.11	0.074	0.066	0.057	0.056	0.043	0.0075
Manganese, SPLP	0.39	0.15	0.21	0.2	0.25	0.069	0.086	0.21	0.15
Mercury, SPLP	0.02	0.016 J	0.025	0.021	0.019	0.011 J	0.013 J	0.017 J	0.002
Nickel, SPLP	0.012 J	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.28 J	0.13 J	0.11 J	0.089 J	0.085 J	0.069 J	0.049 J	0.3 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108494-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/17/2016 4:50:48 PM

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

LINKS

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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
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- 10
- 11
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- 13
- 14
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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-8(0-1)-030816

Lab Sample ID: 500-108494-5

Date Collected: 03/08/16 13:50

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 16:47	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
Bromodichloromethane	<5.7		5.7	0.95	ug/Kg	☼		03/10/16 16:47	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:47	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 16:47	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 16:47	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:47	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/10/16 16:47	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 16:47	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:47	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:47	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/10/16 16:47	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:47	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/10/16 16:47	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/10/16 16:47	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 16:47	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 16:47	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:47	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/10/16 16:47	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/10/16 16:47	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 16:47	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:47	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/10/16 16:47	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/10/16 16:47	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/10/16 16:47	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/10/16 16:47	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/10/16 16:47	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/10/16 16:47	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/10/16 16:47	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/10/16 16:47	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/10/16 16:47	1
Dibromofluoromethane	110		75 - 120		03/10/16 16:47	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 16:47	1
Toluene-d8 (Surr)	106		75 - 122		03/10/16 16:47	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	40	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-8(0-1)-030816

Lab Sample ID: 500-108494-5

Date Collected: 03/08/16 13:50

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Anthracene	<36		36	6.1	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Benzo[a]anthracene	21	J	36	4.9	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Benzo[a]pyrene	22	J *	36	7.1	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Benzo[b]fluoranthene	38	*	36	7.9	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Benzo[g,h,i]perylene	<36	*	36	12	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Benzo[k]fluoranthene	17	J *	36	11	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Carbazole	<180		180	92	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Chrysene	23	J	36	10	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Dibenz(a,h)anthracene	<36	*	36	7.1	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Fluoranthene	37		36	6.8	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Fluorene	<36		36	5.2	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-8(0-1)-030816

Lab Sample ID: 500-108494-5

Date Collected: 03/08/16 13:50

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36	*	36	9.5	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Isophorone	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Phenanthrene	21	J	36	5.1	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Phenol	<180		180	82	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1
Pyrene	40		36	7.3	ug/Kg	☼	03/10/16 15:43	03/15/16 11:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	104		35 - 137	03/10/16 15:43	03/15/16 11:19	1
2-Fluorobiphenyl	92		25 - 119	03/10/16 15:43	03/15/16 11:19	1
2-Fluorophenol	79		25 - 110	03/10/16 15:43	03/15/16 11:19	1
Nitrobenzene-d5	82		25 - 115	03/10/16 15:43	03/15/16 11:19	1
Phenol-d5	82		31 - 110	03/10/16 15:43	03/15/16 11:19	1
Terphenyl-d14	146	X	36 - 134	03/10/16 15:43	03/15/16 11:19	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		03/15/16 08:31	03/17/16 01:48	1
Barium	0.20	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 01:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 01:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 01:48	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:48	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:48	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:48	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 01:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 01:48	1
Manganese	0.22		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:48	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 01:48	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:48	1
Zinc	0.78	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 01:48	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		03/15/16 08:35	03/16/16 13:33	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:35	03/15/16 23:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/15/16 23:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/15/16 23:57	1
Chromium	0.011	J	0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:57	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:57	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:57	1
Iron	5.7		0.40	0.20	mg/L		03/15/16 08:35	03/15/16 23:57	1
Lead	0.043		0.0075	0.0075	mg/L		03/15/16 08:35	03/15/16 23:57	1
Manganese	0.21		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:57	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/15/16 23:57	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/15/16 23:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-8(0-1)-030816

Lab Sample ID: 500-108494-5

Date Collected: 03/08/16 13:50

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.4

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		03/15/16 08:35	03/15/16 23:57	1
Zinc	0.30	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/15/16 23:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J B	1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Arsenic	1.7		0.56	0.26	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Barium	25		0.56	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Beryllium	0.25		0.22	0.049	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Cadmium	0.32	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Calcium	61000	B ^	110	36	mg/Kg	☼	03/14/16 15:31	03/16/16 07:21	10
Chromium	7.3	B	2.8	0.097	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Cobalt	2.8		0.28	0.063	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Copper	8.4		0.56	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Iron	5200	B	11	4.3	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Lead	44		0.28	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Magnesium	32000	B	5.6	2.3	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Manganese	300	B	0.56	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Nickel	6.0	B	0.56	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Potassium	440		28	4.6	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Sodium	430		56	7.4	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Vanadium	5.8		0.28	0.082	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1
Zinc	76		1.1	0.36	mg/Kg	☼	03/14/16 15:31	03/15/16 13:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 14:38	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		03/15/16 14:30	03/16/16 15:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	18	9.7	ug/Kg	☼	03/15/16 16:45	03/16/16 19:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.60		0.200	0.200	SU			03/10/16 16:17	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-7(0-1)-030816

Lab Sample ID: 500-108494-6

Date Collected: 03/08/16 13:57

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 17:13	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 17:13	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/10/16 17:13	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 17:13	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 17:13	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 17:13	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/10/16 17:13	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/10/16 17:13	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/10/16 17:13	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 17:13	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 17:13	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 17:13	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 17:13	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/10/16 17:13	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/10/16 17:13	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 17:13	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/10/16 17:13	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/10/16 17:13	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 17:13	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 17:13	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 17:13	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/10/16 17:13	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 17:13	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/10/16 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/10/16 17:13	1
Dibromofluoromethane	110		75 - 120		03/10/16 17:13	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/10/16 17:13	1
Toluene-d8 (Surr)	108		75 - 122		03/10/16 17:13	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	☼	03/10/16 15:43	03/14/16 17:54	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-7(0-1)-030816

Lab Sample ID: 500-108494-6

Date Collected: 03/08/16 13:57

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.8

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	☼	03/10/16 15:43	03/14/16 17:54	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2-Methylphenol	<170		170	55	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
3,3'-Dichlorobenzidine	<170 *		170	48	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4,6-Dinitro-2-methylphenol	<690		690	280	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Acenaphthylene	9.8 J		34	4.5	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Anthracene	6.5 J		34	5.8	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Benzo[a]anthracene	38 *		34	4.6	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Benzo[a]pyrene	50 *		34	6.7	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Benzo[b]fluoranthene	74 *		34	7.4	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Benzo[g,h,i]perylene	64 *		34	11	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Benzo[k]fluoranthene	36 *		34	10	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Bis(2-ethylhexyl) phthalate	<170 *		170	63	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Butyl benzyl phthalate	<170 *		170	65	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Carbazole	<170		170	86	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Chrysene	47 *		34	9.4	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Dibenz(a,h)anthracene	<34 *		34	6.7	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Dibenzofuran	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Fluoranthene	45		34	6.4	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Fluorene	<34		34	4.8	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Hexachloroethane	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-7(0-1)-030816

Lab Sample ID: 500-108494-6

Date Collected: 03/08/16 13:57

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.8

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	☼	03/10/16 15:43	03/14/16 17:54	1
Isophorone	<170		170	39	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Naphthalene	<34		34	5.3	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
N-Nitrosodi-n-propylamine	<69		69	42	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Phenanthrene	32	J	34	4.8	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Phenol	<170		170	76	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1
Pyrene	120	*	34	6.8	ug/Kg	☼	03/10/16 15:43	03/14/16 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		35 - 137	03/10/16 15:43	03/14/16 17:54	1
2-Fluorobiphenyl	107		25 - 119	03/10/16 15:43	03/14/16 17:54	1
2-Fluorophenol	79		25 - 110	03/10/16 15:43	03/14/16 17:54	1
Nitrobenzene-d5	84		25 - 115	03/10/16 15:43	03/14/16 17:54	1
Phenol-d5	94		31 - 110	03/10/16 15:43	03/14/16 17:54	1
Terphenyl-d14	192	X *	36 - 134	03/10/16 15:43	03/14/16 17:54	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		03/15/16 08:31	03/17/16 01:53	1
Barium	0.14	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 01:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 01:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 01:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:53	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:53	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 01:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 01:53	1
Manganese	0.80		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 01:53	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:53	1
Zinc	1.1	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 01:53	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		03/15/16 08:35	03/16/16 13:37	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:01	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:01	1
Iron	3.0		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:01	1
Lead	0.056		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:01	1
Manganese	0.086		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-7(0-1)-030816

Lab Sample ID: 500-108494-6

Date Collected: 03/08/16 13:57

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.8

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		03/15/16 08:35	03/16/16 00:01	1
Zinc	0.049	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Arsenic	1.5		0.55	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Barium	16		0.55	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Beryllium	0.26		0.22	0.048	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Cadmium	0.23	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Calcium	120000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 07:25	10
Chromium	6.6	B	2.7	0.094	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Cobalt	2.0		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Copper	8.9		0.55	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Iron	5700	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Lead	72		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Magnesium	69000	B ^	55	22	mg/Kg	☼	03/14/16 15:31	03/16/16 07:25	10
Manganese	220	B	0.55	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Nickel	5.1	B	0.55	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Potassium	540		27	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Selenium	0.37	J	0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Sodium	310		55	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Vanadium	6.2		0.27	0.080	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1
Zinc	40		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 13:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 14:40	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		03/15/16 14:30	03/16/16 15:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	9.0	ug/Kg	☼	03/15/16 16:45	03/16/16 19:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.69		0.200	0.200	SU			03/10/16 16:19	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-6(0-1)-030816

Lab Sample ID: 500-108494-7

Date Collected: 03/08/16 14:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 17:40	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 17:40	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/10/16 17:40	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 17:40	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 17:40	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 17:40	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 17:40	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/10/16 17:40	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 17:40	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 17:40	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/10/16 17:40	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 17:40	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/10/16 17:40	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 17:40	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 17:40	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 17:40	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 17:40	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/10/16 17:40	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/10/16 17:40	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 17:40	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 17:40	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/10/16 17:40	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 17:40	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/10/16 17:40	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 17:40	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 17:40	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 17:40	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 17:40	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 17:40	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/10/16 17:40	1
Dibromofluoromethane	107		75 - 120		03/10/16 17:40	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134		03/10/16 17:40	1
Toluene-d8 (Surr)	107		75 - 122		03/10/16 17:40	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	☼	03/10/16 15:43	03/15/16 16:32	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-6(0-1)-030816

Lab Sample ID: 500-108494-7

Date Collected: 03/08/16 14:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,4-Dinitrotoluene	180	J	190	59	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4,6-Dinitro-2-methylphenol	<750	*	750	300	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4-Bromophenyl phenyl ether	<190	*	190	49	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Acenaphthene	9.4	J	37	6.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Acenaphthylene	6.2	J	37	4.9	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Anthracene	22	J *	37	6.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Benzo[a]anthracene	120	*	37	5.0	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Benzo[a]pyrene	96	*	37	7.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Benzo[b]fluoranthene	190	*	37	8.0	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Benzo[g,h,i]perylene	180	*	37	12	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Benzo[k]fluoranthene	74	*	37	11	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Bis(2-ethylhexyl) phthalate	<190	*	190	68	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Butyl benzyl phthalate	110	J *	190	71	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Carbazole	<190	*	190	93	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Chrysene	110	*	37	10	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Di-n-butyl phthalate	<190	*	190	57	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Di-n-octyl phthalate	<190	*	190	61	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Fluoranthene	110	*	37	6.9	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Fluorene	8.0	J	37	5.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Hexachlorobenzene	<75	*	75	8.6	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-6(0-1)-030816

Lab Sample ID: 500-108494-7

Date Collected: 03/08/16 14:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.4

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	76	*	37	9.6	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
N-Nitrosodiphenylamine	<190	*	190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Pentachlorophenol	<750	*	750	600	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Phenanthrene	120	*	37	5.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Phenol	<190		190	82	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Pyrene	330	*	37	7.4	ug/Kg	☼	03/10/16 15:43	03/15/16 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				03/10/16 15:43	03/15/16 16:32	1
2-Fluorobiphenyl	77		25 - 119				03/10/16 15:43	03/15/16 16:32	1
2-Fluorophenol	36		25 - 110				03/10/16 15:43	03/15/16 16:32	1
Nitrobenzene-d5	36		25 - 115				03/10/16 15:43	03/15/16 16:32	1
Phenol-d5	55		31 - 110				03/10/16 15:43	03/15/16 16:32	1
Terphenyl-d14	247	X *	36 - 134				03/10/16 15:43	03/15/16 16:32	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		03/15/16 08:31	03/17/16 01:58	1
Barium	0.091	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 01:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 01:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 01:58	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:58	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:58	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:58	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 01:58	1
Lead	0.0092		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 01:58	1
Manganese	0.67		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:58	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 01:58	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 01:58	1
Zinc	0.42	J B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 01:58	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		03/15/16 08:35	03/16/16 13:41	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:05	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:05	1
Iron	2.7		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:05	1
Lead	0.057		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:05	1
Manganese	0.069		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:05	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-6(0-1)-030816

Lab Sample ID: 500-108494-7

Date Collected: 03/08/16 14:05

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.4

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		03/15/16 08:35	03/16/16 00:05	1
Zinc	0.069	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J B	1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Arsenic	1.3		0.55	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Barium	15		0.55	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Beryllium	0.22		0.22	0.047	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Cadmium	0.27	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Calcium	150000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 07:29	10
Chromium	6.6	B	2.7	0.094	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Cobalt	1.8		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Copper	5.6		0.55	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Iron	4900	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Lead	69		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Magnesium	89000	B ^	55	22	mg/Kg	☼	03/14/16 15:31	03/16/16 07:29	10
Manganese	220	B	0.55	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Nickel	5.0	B	0.55	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Potassium	580		27	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Sodium	350		55	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Vanadium	5.5		0.27	0.080	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	1
Zinc	46		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 13:51	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		03/15/16 14:30	03/16/16 14:42	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		03/15/16 14:30	03/16/16 15:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	16	8.5	ug/Kg	☼	03/15/16 16:45	03/16/16 19:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.63		0.200	0.200	SU			03/10/16 13:04	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-5(0-1)-030816

Lab Sample ID: 500-108494-8

Date Collected: 03/08/16 14:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/10/16 18:06	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:06	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/10/16 18:06	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:06	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 18:06	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 18:06	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:06	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:06	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/10/16 18:06	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:06	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:06	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:06	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:06	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/10/16 18:06	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:06	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/10/16 18:06	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:06	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 18:06	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 18:06	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:06	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/10/16 18:06	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/10/16 18:06	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:06	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:06	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:06	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:06	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/10/16 18:06	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:06	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:06	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:06	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 18:06	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:06	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:06	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 18:06	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:06	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/10/16 18:06	1
Dibromofluoromethane	108		75 - 120		03/10/16 18:06	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 18:06	1
Toluene-d8 (Surr)	105		75 - 122		03/10/16 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	<180		180	38	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-5(0-1)-030816

Lab Sample ID: 500-108494-8

Date Collected: 03/08/16 14:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.9

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	☼	03/10/16 15:43	03/15/16 11:43	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Anthracene	<35		35	5.9	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Benzo[a]anthracene	21	J	35	4.7	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Benzo[a]pyrene	26	J*	35	6.8	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Benzo[b]fluoranthene	55	*	35	7.6	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Benzo[g,h,i]perylene	<35	*	35	11	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Benzo[k]fluoranthene	19	J*	35	10	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Carbazole	<180		180	88	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Chrysene	25	J	35	9.6	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Fluoranthene	35		35	6.5	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-5(0-1)-030816

Lab Sample ID: 500-108494-8

Date Collected: 03/08/16 14:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.9

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	<35	*	35	9.1	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Isophorone	<180		180	40	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Phenanthrene	27	J	35	4.9	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Phenol	<180		180	78	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1
Pyrene	56		35	7.0	ug/Kg	☼	03/10/16 15:43	03/15/16 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		35 - 137	03/10/16 15:43	03/15/16 11:43	1
2-Fluorobiphenyl	96		25 - 119	03/10/16 15:43	03/15/16 11:43	1
2-Fluorophenol	84		25 - 110	03/10/16 15:43	03/15/16 11:43	1
Nitrobenzene-d5	87		25 - 115	03/10/16 15:43	03/15/16 11:43	1
Phenol-d5	86		31 - 110	03/10/16 15:43	03/15/16 11:43	1
Terphenyl-d14	203	X	36 - 134	03/10/16 15:43	03/15/16 11:43	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		03/15/16 08:31	03/17/16 02:12	1
Barium	0.18	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:12	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:12	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:12	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:12	1
Manganese	0.11		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:12	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:12	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:12	1
Zinc	0.14	J B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:12	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		03/15/16 08:35	03/16/16 13:45	1
Barium	0.062	J	0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:09	1
Chromium	0.012	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:09	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:09	1
Copper	0.011	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:09	1
Iron	9.5		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:09	1
Lead	0.066		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:09	1
Manganese	0.25		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:09	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-5(0-1)-030816

Lab Sample ID: 500-108494-8

Date Collected: 03/08/16 14:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 88.9

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		03/15/16 08:35	03/16/16 00:09	1
Zinc	0.085	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Arsenic	2.0		0.54	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Barium	25		0.54	0.099	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Beryllium	0.26		0.22	0.047	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Cadmium	0.25	B	0.11	0.031	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Calcium	41000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 07:34	10
Chromium	6.6	B	2.7	0.093	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Cobalt	3.0		0.27	0.061	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Copper	8.0		0.54	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Iron	6400	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Lead	43		0.27	0.13	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Magnesium	22000	B	5.4	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Manganese	230	B	0.54	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Nickel	6.0	B	0.54	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Potassium	400		27	4.4	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Sodium	250		54	7.1	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Vanadium	8.1		0.27	0.079	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	1
Zinc	48		1.1	0.34	mg/Kg	☼	03/14/16 15:31	03/15/16 13:56	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		03/15/16 14:30	03/16/16 14:44	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		03/15/16 14:30	03/16/16 15:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		19	9.9	ug/Kg	☼	03/15/16 16:45	03/16/16 19:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.25		0.200	0.200	SU			03/10/16 13:07	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816

Lab Sample ID: 500-108494-9

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 18:32	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:32	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/10/16 18:32	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:32	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 18:32	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 18:32	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:32	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/10/16 18:32	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:32	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:32	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/10/16 18:32	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:32	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/10/16 18:32	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:32	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 18:32	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 18:32	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:32	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/10/16 18:32	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/10/16 18:32	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:32	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:32	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/10/16 18:32	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:32	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/10/16 18:32	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:32	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 18:32	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:32	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 18:32	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:32	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		03/10/16 18:32	1
Dibromofluoromethane	107		75 - 120		03/10/16 18:32	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134		03/10/16 18:32	1
Toluene-d8 (Surr)	107		75 - 122		03/10/16 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816

Lab Sample ID: 500-108494-9

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.7

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	80	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Acenaphthylene	4.9	J	35	4.6	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Anthracene	11	J	35	5.8	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Benzo[a]anthracene	67		35	4.7	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Benzo[a]pyrene	65	*	35	6.8	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Benzo[b]fluoranthene	110	*	35	7.6	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Benzo[g,h,i]perylene	29	J *	35	11	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Benzo[k]fluoranthene	49	*	35	10	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Carbazole	<180		180	87	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Chrysene	70		35	9.5	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Fluoranthene	130		35	6.5	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Fluorene	<35		35	4.9	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Hexachloroethane	<180		180	53	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816

Lab Sample ID: 500-108494-9

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.7

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	26	J *	35	9.1	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Isophorone	<180		180	39	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Phenanthrene	53		35	4.9	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Phenol	<180		180	78	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Pyrene	160		35	7.0	ug/Kg	☼	03/10/16 15:43	03/14/16 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	109		35 - 137				03/10/16 15:43	03/14/16 13:29	1
2-Fluorobiphenyl	104		25 - 119				03/10/16 15:43	03/14/16 13:29	1
2-Fluorophenol	87		25 - 110				03/10/16 15:43	03/14/16 13:29	1
Nitrobenzene-d5	94		25 - 115				03/10/16 15:43	03/14/16 13:29	1
Phenol-d5	90		31 - 110				03/10/16 15:43	03/14/16 13:29	1
Terphenyl-d14	166	X	36 - 134				03/10/16 15:43	03/14/16 13:29	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		03/15/16 08:31	03/17/16 02:17	1
Barium	0.24	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:17	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:17	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:17	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:17	1
Manganese	0.082		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:17	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:17	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:17	1
Zinc	0.94	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:17	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		03/15/16 08:35	03/16/16 13:58	1
Barium	0.069	J	0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:13	1
Chromium	0.016	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:13	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:13	1
Copper	0.013	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:13	1
Iron	9.3		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:13	1
Lead	0.11		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:13	1
Manganese	0.21		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:13	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:13	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816

Lab Sample ID: 500-108494-9

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.7

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		03/15/16 08:35	03/16/16 00:13	1
Zinc	0.11	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J B	1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Arsenic	2.2		0.55	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Barium	33		0.55	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Beryllium	0.36		0.22	0.047	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Cadmium	0.23	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Calcium	60000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 07:38	10
Chromium	7.9	B	2.7	0.094	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Cobalt	3.4		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Copper	10		0.55	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Iron	6800	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Lead	83		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Magnesium	30000	B	5.5	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Manganese	280	B	0.55	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Nickel	7.0	B	0.55	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Potassium	540		27	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Sodium	260		55	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Vanadium	8.6		0.27	0.080	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	1
Zinc	53		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 14:01	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		03/15/16 14:30	03/16/16 14:46	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		03/15/16 14:30	03/16/16 15:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		18	9.6	ug/Kg	☼	03/15/16 16:45	03/16/16 20:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.39		0.200	0.200	SU			03/10/16 13:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816D

Lab Sample ID: 500-108494-10

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 18:58	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:58	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/10/16 18:58	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:58	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 18:58	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/10/16 18:58	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:58	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/10/16 18:58	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:58	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:58	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/10/16 18:58	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:58	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/10/16 18:58	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:58	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 18:58	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 18:58	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:58	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/10/16 18:58	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/10/16 18:58	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:58	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:58	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/10/16 18:58	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 18:58	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 18:58	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 18:58	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 18:58	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 18:58	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 18:58	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 18:58	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/10/16 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/10/16 18:58	1
Dibromofluoromethane	108		75 - 120		03/10/16 18:58	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/10/16 18:58	1
Toluene-d8 (Surr)	106		75 - 122		03/10/16 18:58	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	☼	03/10/16 15:43	03/14/16 18:18	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816D

Lab Sample ID: 500-108494-10

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.1

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	84	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Anthracene	8.0 J		37	6.2	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Benzo[a]anthracene	42 *		37	5.0	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Benzo[a]pyrene	49 *		37	7.1	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Benzo[b]fluoranthene	80 *		37	7.9	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Benzo[g,h,i]perylene	<37 *		37	12	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Benzo[k]fluoranthene	29 J *		37	11	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Bis(2-ethylhexyl) phthalate	150 J *		190	67	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Butyl benzyl phthalate	<190 *		190	70	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Carbazole	<190		190	92	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Chrysene	50 *		37	10	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Dibenz(a,h)anthracene	<37 *		37	7.1	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Fluoranthene	53		37	6.8	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816D

Lab Sample ID: 500-108494-10

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.1

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	<37	*	37	9.5	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Isophorone	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Phenanthrene	49		37	5.1	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Phenol	<190		190	82	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Pyrene	150	*	37	7.3	ug/Kg	☼	03/10/16 15:43	03/14/16 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		35 - 137				03/10/16 15:43	03/14/16 18:18	1
2-Fluorobiphenyl	100		25 - 119				03/10/16 15:43	03/14/16 18:18	1
2-Fluorophenol	85		25 - 110				03/10/16 15:43	03/14/16 18:18	1
Nitrobenzene-d5	87		25 - 115				03/10/16 15:43	03/14/16 18:18	1
Phenol-d5	92		31 - 110				03/10/16 15:43	03/14/16 18:18	1
Terphenyl-d14	225	X *	36 - 134				03/10/16 15:43	03/14/16 18:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Barium	0.21	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:22	1
Manganese	0.066		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:22	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:22	1
Zinc	0.95	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:22	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		03/15/16 08:35	03/16/16 14:02	1
Barium	0.061	J	0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:18	1
Chromium	0.013	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:18	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:18	1
Copper	0.011	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:18	1
Iron	7.8		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:18	1
Lead	0.074		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:18	1
Manganese	0.20		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:18	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:18	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-4(0-1)-030816D

Lab Sample ID: 500-108494-10

Date Collected: 03/08/16 14:28

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.1

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		03/15/16 08:35	03/16/16 00:18	1
Zinc	0.089	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J B	1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Arsenic	2.0		0.56	0.26	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Barium	99		0.56	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Beryllium	0.32		0.22	0.048	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Cadmium	0.25	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Calcium	68000	B ^	110	36	mg/Kg	☼	03/14/16 15:31	03/16/16 07:50	10
Chromium	9.0	B	2.8	0.096	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Cobalt	3.1		0.28	0.063	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Copper	9.7		0.56	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Iron	6100	B	11	4.3	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Lead	77		0.28	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Magnesium	37000	B	5.6	2.3	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Manganese	260	B	0.56	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Nickel	6.9	B	0.56	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Potassium	490		28	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Sodium	500		56	7.4	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Vanadium	8.8		0.28	0.081	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1
Zinc	51		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 14:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/15/16 14:30	03/16/16 14:48	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		03/15/16 14:30	03/16/16 15:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		18	9.5	ug/Kg	☼	03/15/16 16:45	03/16/16 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.34		0.200	0.200	SU			03/10/16 13:12	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-3(0-1)-030816

Lab Sample ID: 500-108494-11

Date Collected: 03/08/16 14:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 19:24	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:24	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		03/10/16 19:24	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:24	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:24	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:24	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:24	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:24	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 19:24	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 19:24	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:24	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:24	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:24	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/10/16 19:24	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:24	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		03/10/16 19:24	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:24	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 19:24	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 19:24	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:24	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 19:24	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 19:24	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:24	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:24	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:24	1
Styrene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:24	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/10/16 19:24	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:24	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 19:24	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:24	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 19:24	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:24	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 19:24	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 19:24	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:24	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/10/16 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/10/16 19:24	1
Dibromofluoromethane	108		75 - 120		03/10/16 19:24	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/10/16 19:24	1
Toluene-d8 (Surr)	105		75 - 122		03/10/16 19:24	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	☼	03/10/16 15:43	03/15/16 16:56	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-3(0-1)-030816

Lab Sample ID: 500-108494-11

Date Collected: 03/08/16 14:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

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	☼	03/10/16 15:43	03/15/16 16:56	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4,6-Dinitro-2-methylphenol	<760 *		760	300	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4-Bromophenyl phenyl ether	<190 *		190	49	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Anthracene	12	J *	37	6.3	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Benzo[a]anthracene	83	*	37	5.1	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Benzo[a]pyrene	130	*	37	7.3	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Benzo[b]fluoranthene	150	*	37	8.1	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Benzo[g,h,i]perylene	170	*	37	12	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Benzo[k]fluoranthene	31	J *	37	11	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Bis(2-ethylhexyl) phthalate	<190 *		190	69	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Butyl benzyl phthalate	<190 *		190	71	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Carbazole	<190 *		190	94	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Chrysene	130	*	37	10	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Di-n-butyl phthalate	<190 *		190	57	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Di-n-octyl phthalate	<190 *		190	61	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Fluoranthene	70	*	37	7.0	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Hexachlorobenzene	<76 *		76	8.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-3(0-1)-030816

Lab Sample ID: 500-108494-11

Date Collected: 03/08/16 14:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

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	*	37	9.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
N-Nitrosodiphenylamine	<190	*	190	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Pentachlorophenol	<760	*	760	600	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Phenanthrene	66	*	37	5.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Phenol	<190		190	83	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Pyrene	250	*	37	7.5	ug/Kg	☼	03/10/16 15:43	03/15/16 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		35 - 137				03/10/16 15:43	03/15/16 16:56	1
2-Fluorobiphenyl	109		25 - 119				03/10/16 15:43	03/15/16 16:56	1
2-Fluorophenol	95		25 - 110				03/10/16 15:43	03/15/16 16:56	1
Nitrobenzene-d5	102		25 - 115				03/10/16 15:43	03/15/16 16:56	1
Phenol-d5	100		31 - 110				03/10/16 15:43	03/15/16 16:56	1
Terphenyl-d14	220	X *	36 - 134				03/10/16 15:43	03/15/16 16:56	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		03/15/16 08:31	03/17/16 02:27	1
Barium	0.19	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:27	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:27	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:27	1
Manganese	0.32		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:27	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:27	1
Zinc	0.54	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:27	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		03/15/16 08:35	03/16/16 14:06	1
Barium	<0.50		0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:22	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:22	1
Iron	3.8		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:22	1
Lead	0.057		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:22	1
Manganese	0.15		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-3(0-1)-030816

Lab Sample ID: 500-108494-11

Date Collected: 03/08/16 14:35

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

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		03/15/16 08:35	03/16/16 00:22	1
Zinc	0.13	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J B	1.1	0.24	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Arsenic	1.7		0.57	0.26	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Barium	64		0.57	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Beryllium	0.32		0.23	0.049	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Cadmium	0.25	B	0.11	0.033	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Calcium	52000	B ^	110	37	mg/Kg	☼	03/14/16 15:31	03/16/16 07:55	10
Chromium	12	B	2.8	0.098	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Cobalt	2.9		0.28	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Copper	15		0.57	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Iron	6400	B	11	4.4	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Lead	86		0.28	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Magnesium	26000	B	5.7	2.3	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Manganese	270	B	0.57	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Nickel	7.0	B	0.57	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Potassium	440		28	4.6	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Sodium	380		57	7.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Vanadium	7.8		0.28	0.083	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	1
Zinc	61		1.1	0.36	mg/Kg	☼	03/14/16 15:31	03/15/16 14:18	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		03/15/16 14:30	03/16/16 14:53	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		03/15/16 14:30	03/16/16 15:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	19	10	ug/Kg	☼	03/15/16 16:45	03/16/16 20:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.86		0.200	0.200	SU			03/10/16 13:15	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-2(0-1)-030816

Lab Sample ID: 500-108494-12

Date Collected: 03/08/16 14:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/10/16 19:50	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:50	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		03/10/16 19:50	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:50	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:50	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:50	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:50	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:50	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/10/16 19:50	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 19:50	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:50	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:50	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:50	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/10/16 19:50	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:50	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		03/10/16 19:50	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:50	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/10/16 19:50	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 19:50	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:50	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/10/16 19:50	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/10/16 19:50	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/10/16 19:50	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:50	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:50	1
Styrene	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:50	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/10/16 19:50	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/10/16 19:50	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/10/16 19:50	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:50	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 19:50	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/10/16 19:50	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/10/16 19:50	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/10/16 19:50	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/10/16 19:50	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/10/16 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/10/16 19:50	1
Dibromofluoromethane	109		75 - 120		03/10/16 19:50	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		03/10/16 19:50	1
Toluene-d8 (Surr)	107		75 - 122		03/10/16 19:50	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	☼	03/10/16 15:43	03/14/16 13:05	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-2(0-1)-030816

Lab Sample ID: 500-108494-12

Date Collected: 03/08/16 14:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

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	85	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Acenaphthylene	18	J	37	4.9	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Anthracene	12	J	37	6.2	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Benzo[a]anthracene	49		37	5.0	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Benzo[a]pyrene	70	*	37	7.2	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Benzo[b]fluoranthene	130	*	37	8.0	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Benzo[g,h,i]perylene	48	*	37	12	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Benzo[k]fluoranthene	50	*	37	11	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Carbazole	<190		190	93	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Chrysene	56		37	10	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Fluoranthene	85		37	6.9	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-2(0-1)-030816

Lab Sample ID: 500-108494-12

Date Collected: 03/08/16 14:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

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	36	J *	37	9.7	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Isophorone	<190		190	42	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Naphthalene	6.9	J	37	5.7	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Phenanthrene	48		37	5.2	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Phenol	<190		190	83	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Pyrene	95		37	7.4	ug/Kg	☼	03/10/16 15:43	03/14/16 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				03/10/16 15:43	03/14/16 13:05	1
2-Fluorobiphenyl	96		25 - 119				03/10/16 15:43	03/14/16 13:05	1
2-Fluorophenol	89		25 - 110				03/10/16 15:43	03/14/16 13:05	1
Nitrobenzene-d5	89		25 - 115				03/10/16 15:43	03/14/16 13:05	1
Phenol-d5	92		31 - 110				03/10/16 15:43	03/14/16 13:05	1
Terphenyl-d14	124		36 - 134				03/10/16 15:43	03/14/16 13:05	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		03/15/16 08:31	03/17/16 02:33	1
Barium	0.37	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:33	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:33	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:33	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:33	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:33	1
Manganese	0.13		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:33	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:33	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:33	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:33	1
Zinc	0.21	J B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:33	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		03/15/16 08:35	03/16/16 14:11	1
Barium	0.12	J	0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:26	1
Chromium	0.027		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:26	1
Copper	0.020	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:26	1
Iron	17		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:26	1
Lead	0.089		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:26	1
Manganese	0.39		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:26	1
Nickel	0.012	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL15-2(0-1)-030816

Lab Sample ID: 500-108494-12

Date Collected: 03/08/16 14:40

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 86.7

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		03/15/16 08:35	03/16/16 00:26	1
Zinc	0.28	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Arsenic	2.3		0.55	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Barium	43		0.55	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Beryllium	0.31		0.22	0.047	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Cadmium	0.30	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Calcium	55000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 08:05	10
Chromium	12	B	2.7	0.094	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Cobalt	3.4		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Copper	11		0.55	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Iron	6600	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Lead	110		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Magnesium	31000	B	5.5	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Manganese	410	B	0.55	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Nickel	7.1	B	0.55	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Potassium	420		27	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Selenium	0.28	J	0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Sodium	220		55	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Vanadium	8.8		0.27	0.080	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	1
Zinc	63		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 14:24	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		03/15/16 14:30	03/16/16 14:55	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		03/15/16 14:30	03/16/16 15:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		18	9.4	ug/Kg	☼	03/15/16 16:45	03/16/16 20:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.70		0.200	0.200	SU			03/10/16 13:18	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108494 COC

Report To (optional)
Contact: S. Babushkin
Company: WESTON SAUNTONS
Address: Wilmington, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8

Client		Client Project #		Preservative		Parameter		Sampler		Lab PM		Preservative Key				
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>A. Simpson</u>	<u>DICK WRIGHT</u>			1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other			
Project Name		Project Location/State		Sampling		Matrix		Comments								
<u>1084 039</u>		<u>WILMINGTON, IL</u>		Date	Time	# of Containers	Matrix									
<u>1</u>	<u>AL12-1-(0-1)-030816</u>	<u>030816</u>	<u>1305</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>VOC</u>	<u>SVOC</u>	<u>Total Metals</u>	<u>Trace Metals</u>	<u>PH</u>	
<u>2</u>	<u>AL13-2-(0-1)-030816</u>	<u>030816</u>	<u>1320</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>3</u>	<u>AL13-1-(0-1)-030816</u>		<u>1325</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>4</u>	<u>AL14-1-(0-1)-030816</u>		<u>1340</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>5</u>	<u>AL15-8-(0-1)-030816</u>		<u>1350</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>6</u>	<u>AL15-7-(0-1)-030816</u>		<u>1357</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>7</u>	<u>AL15-6-(0-1)-030816</u>		<u>1405</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>8</u>	<u>AL15-5-(0-1)-030816</u>		<u>1415</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>9</u>	<u>AL15-4-(0-1)-030816</u>		<u>1428</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>10</u>	<u>AL15-4-(0-1)D-030816</u>		<u>1428</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other Retained
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>AS</u>	Company: <u>WESTON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>	Received By: <u>[Signature]</u>	Company: <u>WESTON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPE</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusikumar
 Company: Weston Solution
 Address: 300 Plaza Circle, Ste 200
 Address: Mableton, IL
 Phone: 224-864-7250
 Fax:
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Sample		Lab PM		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
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		
Project Name <u>LDOS 039</u>		Project Location/State <u>WILMINGTON, IL</u>		Parameter		Sample		Lab PM				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments					
<u>11</u>		<u>AL15-3-(0-1)-030816</u>	<u>030816</u>	<u>1435</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>AL15-2-(0-1)-030816</u>	<u>↓</u>	<u>1440</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>13</u>		<u>AL15-1-(0-1)-030816</u>	<u>↓</u>	<u>1505</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>14</u>		<u>AL16-6-(0-1)-030816</u>	<u>↓</u>	<u>1515</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>15</u>		<u>AL16-5-(0-1)-030816</u>	<u>↓</u>	<u>1525</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other rel contract

Sample Disposal

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

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>15:48</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Received By: <u>[Signature]</u> Company: <u>TA-ERT</u> Date: <u>3/8/16</u> Time: <u>16:45</u>

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

18000 block of IL 102 (ISGS Site No. 2946-16)

City: Wesley Township 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: 41.238863679 Longitude: -88.073357946
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty LineLatitude: 41.238863679 Longitude: -88.073357946Uncontaminated 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 AL16-3, AL16-5, AND AL16-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-16. SEE FIGURES 3-9 AND 3-10 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108494-1 AND 500-108575-1.
ALSO SEE FIGURES 4-9 AND 4-10 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 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL16-3(0-1)-030916	AL16-5(0-1)-038016	AL16-6(0-1)-038016	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/8/2016	3/8/2016	
Location ID	AL16-3	AL16-5	AL16-6	
Depth	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-16	2946-16	2946-16	
Parameter				
Laboratory pH (s.u.)	8.84	7.82	7.47	<6.25, >9.0
VOCs (ug/kg)	None Detected			
SVOCs (ug/kg)				
2-Methylnaphthalene	ND	24 J	19 J	---
Acenaphthene	8.6 J	44	85	570000
Acenaphthylene	28 J	310	150	---
Anthracene	26 J	210	220	1.20E+07
Benzo(a)anthracene	160	1200 J	1100 J	900 / 1100 / 1800
Benzo(a)pyrene	220 J	1300 J	1100 J	90 / 1300 / 2100
Benzo(b)fluoranthene	410 J	1700 J	1500 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	120 J	1200 J	880 J	---
Benzo(k)fluoranthene	110 J	760 J	500 J	9000
bis(2-Ethylhexyl)phthalate	ND	87 J	ND	46000
Chrysene	190	1200 J	1100 J	88000
Dibenzo(a,h)anthracene	26 J	240 J	170 J	90 / 200 / 420
Dibenzofuran	ND	ND	61 J	---
Fluoranthene	240	1600	1300	3100000
Fluorene	8 J	48	64	560000
Indeno(1,2,3-cd)pyrene	130 J	850 J	760 J	900 / 900 / 1600
Naphthalene, SVOC	5.9 J	25 J	11 J	1800
Phenanthrene	82	840	1400	---
Pyrene	440	4900 J	4300 *	2300000
Total Metals (mg/kg)				
Arsenic, Total	2.8 J	2.8	2.8	11.3 / 13
Barium, Total	34	44	39	1500
Beryllium, Total	0.3	0.35	0.27	22
Cadmium, Total	0.47	ND	ND	5.2
Calcium, Total	66000 J	26000 J	61000 J	---
Chromium, Total	8.6 J	ND	ND	21
Cobalt, Total	3.6 J	4.3	3.6	20
Copper, Total	11	8.2	7.1	2900
Iron, Total	8000 J	7600 J+	7100 J+	15000 / 15900
Lead, Total	35 J	52 J	48 J	107
Magnesium, Total	34000 J	14000 J	34000 J	325000
Manganese, Total	320 J-	360 J	280 J	630 / 636
Mercury, Total	0.016 J	0.026	0.018	0.89
Nickel, Total	8.8 B	8.1 B	8.3 B	100
Potassium, Total	630 J+	540 J+	600 J+	---
Selenium, Total	0.57 J-	0.45 J	ND	1.3
Sodium, Total	1300	110	200	---
Vanadium, Total	11	9.8	9.5	550
Zinc, Total	55	48 J	38 J	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	ND	0.05
Barium, TCLP	0.22 J	0.32 J	0.18 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	0.98	ND	0.46	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	2.6 B	5

Summary Table of ISGS Site No. 2946-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL16-3(0-1)-030916	AL16-5(0-1)-038016	AL16-6(0-1)-038016	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/8/2016	3/8/2016	
Location ID	AL16-3	AL16-5	AL16-6	
Depth	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-16	2946-16	2946-16	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	0.013 J	ND	ND	0.05
Barium, SPLP	0.27 J	0.092 J	0.054 J	2
Beryllium, SPLP	ND	ND	ND	0.004
Cadmium, SPLP	0.0021 J	ND	ND	0.005
Chromium, SPLP	0.068	0.017 J	0.013 J	0.1
Cobalt, SPLP	0.017 J	ND	ND	1
Copper, SPLP	0.073	ND	ND	0.65
Iron, SPLP	69 J-	13 J+	11 J+	5
Lead, SPLP	0.22 J-	0.05	0.044	0.0075
Manganese, SPLP	0.96 J-	0.24	0.17	0.15
Mercury, SPLP	ND	0.026	0.018	0.002
Nickel, SPLP	0.052	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	0.05
Zinc, SPLP	0.36 J	0.41 J	0.099 J	5

Notes:

--- - not applicable or value not available.

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

* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108494-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/17/2016 4:50:48 PM

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

LINKS

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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-6(0-1)-038016

Lab Sample ID: 500-108494-14

Date Collected: 03/08/16 15:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 22:46	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 22:46	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/10/16 22:46	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 22:46	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 22:46	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/10/16 22:46	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/10/16 22:46	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/10/16 22:46	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/10/16 22:46	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 22:46	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 22:46	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 22:46	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 22:46	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/10/16 22:46	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/10/16 22:46	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/10/16 22:46	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/10/16 22:46	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/10/16 22:46	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/10/16 22:46	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/10/16 22:46	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/10/16 22:46	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/10/16 22:46	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/10/16 22:46	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/10/16 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/10/16 22:46	1
Dibromofluoromethane	107		75 - 120		03/10/16 22:46	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/10/16 22:46	1
Toluene-d8 (Surr)	105		75 - 122		03/10/16 22:46	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	☼	03/10/16 15:43	03/15/16 16:08	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-6(0-1)-038016

Lab Sample ID: 500-108494-14

Date Collected: 03/08/16 15:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.6

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	79	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2-Methylnaphthalene	19	J	34	6.4	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2-Methylphenol	<170		170	55	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
3,3'-Dichlorobenzidine	<170	*	170	48	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Acenaphthene	85		34	6.2	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Acenaphthylene	150		34	4.6	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Anthracene	220		34	5.8	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Benzo[a]anthracene	1100	*	34	4.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Benzo[a]pyrene	1100	*	34	6.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Benzo[b]fluoranthene	1500	*	34	7.5	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Benzo[g,h,i]perylene	880	*	34	11	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Benzo[k]fluoranthene	500	*	34	10	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Bis(2-ethylhexyl) phthalate	<170	*	170	63	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Butyl benzyl phthalate	<170	*	170	66	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Carbazole	<170		170	86	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Chrysene	1100	*	34	9.4	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Dibenz(a,h)anthracene	170	*	34	6.7	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Dibenzofuran	61	J	170	40	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Fluoranthene	1300		34	6.4	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Fluorene	64		34	4.9	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Hexachloroethane	<170		170	53	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-6(0-1)-038016

Lab Sample ID: 500-108494-14

Date Collected: 03/08/16 15:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.6

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	760	*	34	9.0	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Isophorone	<170		170	39	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Naphthalene	11	J	34	5.3	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Pentachlorophenol	<700		700	550	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Phenanthrene	1400		34	4.8	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Phenol	<170		170	77	ug/Kg	☼	03/10/16 15:43	03/15/16 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				03/10/16 15:43	03/15/16 16:08	1
2-Fluorobiphenyl	115		25 - 119				03/10/16 15:43	03/15/16 16:08	1
2-Fluorophenol	102		25 - 110				03/10/16 15:43	03/15/16 16:08	1
Nitrobenzene-d5	103		25 - 115				03/10/16 15:43	03/15/16 16:08	1
Phenol-d5	101		31 - 110				03/10/16 15:43	03/15/16 16:08	1
Terphenyl-d14	211	X*	36 - 134				03/10/16 15:43	03/15/16 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	4300	*	170	34	ug/Kg	☼	03/10/16 15:43	03/14/16 15:29	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		03/15/16 08:31	03/17/16 02:43	1
Barium	0.18	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:43	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:43	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:43	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:43	1
Manganese	0.46		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:43	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:43	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:43	1
Zinc	2.6	B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:43	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		03/15/16 08:35	03/16/16 14:19	1
Barium	0.054	J	0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:42	1
Chromium	0.013	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:42	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:42	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:42	1
Iron	11		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:42	1
Lead	0.044		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-6(0-1)-038016

Lab Sample ID: 500-108494-14

Date Collected: 03/08/16 15:15

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.17		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:42	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:42	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:42	1
Zinc	0.099	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Arsenic	2.8		0.55	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Barium	39		0.55	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Beryllium	0.27		0.22	0.048	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Cadmium	0.19	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Calcium	61000	B ^	110	35	mg/Kg	☼	03/14/16 15:31	03/16/16 08:13	10
Chromium	8.3	B	2.7	0.094	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Cobalt	3.6		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Copper	7.1		0.55	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Iron	7100	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Lead	48		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Magnesium	34000	B	5.5	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Manganese	280	B	0.55	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Nickel	8.3	B	0.55	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Potassium	600		27	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Sodium	200		55	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Vanadium	9.5		0.27	0.080	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	1
Zinc	38		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 14:34	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		03/15/16 14:30	03/16/16 14:59	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		03/15/16 14:30	03/16/16 15:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		16	8.6	ug/Kg	☼	03/15/16 16:45	03/16/16 20:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.47		0.200	0.200	SU			03/10/16 13:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-5(0-1)-038016

Lab Sample ID: 500-108494-15

Date Collected: 03/08/16 15:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/10/16 23:12	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 23:12	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/10/16 23:12	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 23:12	1
Bromomethane	<5.6	F1	5.6	2.0	ug/Kg	☼		03/10/16 23:12	1
Carbon disulfide	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 23:12	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/10/16 23:12	1
Chlorobenzene	<5.6	F1	5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/10/16 23:12	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 23:12	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 23:12	1
cis-1,3-Dichloropropene	<5.6	F1	5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/10/16 23:12	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 23:12	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		03/10/16 23:12	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 23:12	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/10/16 23:12	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/10/16 23:12	1
Ethylbenzene	<5.6	F1	5.6	1.4	ug/Kg	☼		03/10/16 23:12	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/10/16 23:12	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/10/16 23:12	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/10/16 23:12	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 23:12	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
Styrene	<5.6	F1	5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.88	ug/Kg	☼		03/10/16 23:12	1
Tetrachloroethene	<5.6	F1	5.6	1.2	ug/Kg	☼		03/10/16 23:12	1
Toluene	<5.6	F1	5.6	1.9	ug/Kg	☼		03/10/16 23:12	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/10/16 23:12	1
trans-1,3-Dichloropropene	<5.6	F1	5.6	1.6	ug/Kg	☼		03/10/16 23:12	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/10/16 23:12	1
Trichloroethene	<5.6	F1	5.6	1.5	ug/Kg	☼		03/10/16 23:12	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/10/16 23:12	1
Xylenes, Total	<11	F1	11	2.1	ug/Kg	☼		03/10/16 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/10/16 23:12	1
Dibromofluoromethane	109		75 - 120		03/10/16 23:12	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/10/16 23:12	1
Toluene-d8 (Surr)	106		75 - 122		03/10/16 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-5(0-1)-038016

Lab Sample ID: 500-108494-15

Date Collected: 03/08/16 15:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2-Methylnaphthalene	24	J	36	6.6	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
3,3'-Dichlorobenzidine	<180	*	180	51	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Acenaphthene	44		36	6.5	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Acenaphthylene	310		36	4.8	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Anthracene	210		36	6.0	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Benzo[a]anthracene	1200	*	36	4.9	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Benzo[a]pyrene	1300	*	36	7.0	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Benzo[b]fluoranthene	1700	*	36	7.8	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Benzo[g,h,i]perylene	1200	*	36	12	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Benzo[k]fluoranthene	760	*	36	11	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Bis(2-ethylhexyl) phthalate	87	J *	180	66	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Butyl benzyl phthalate	<180	*	180	69	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Carbazole	<180		180	90	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Chrysene	1200	*	36	9.9	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Dibenz(a,h)anthracene	240	*	36	7.0	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Fluoranthene	1600		36	6.7	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Fluorene	48		36	5.1	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-5(0-1)-038016

Lab Sample ID: 500-108494-15

Date Collected: 03/08/16 15:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	850	*	36	9.4	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Isophorone	<180		180	41	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Naphthalene	25	J	36	5.6	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Phenanthrene	840		36	5.0	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Phenol	<180		180	80	ug/Kg	☼	03/10/16 15:43	03/14/16 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		35 - 137				03/10/16 15:43	03/14/16 18:42	1
2-Fluorobiphenyl	114		25 - 119				03/10/16 15:43	03/14/16 18:42	1
2-Fluorophenol	95		25 - 110				03/10/16 15:43	03/14/16 18:42	1
Nitrobenzene-d5	98		25 - 115				03/10/16 15:43	03/14/16 18:42	1
Phenol-d5	104		31 - 110				03/10/16 15:43	03/14/16 18:42	1
Terphenyl-d14	250	X *	36 - 134				03/10/16 15:43	03/14/16 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	4900	*	180	36	ug/Kg	☼	03/10/16 15:43	03/17/16 14:08	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		03/15/16 08:31	03/17/16 02:48	1
Barium	0.32	J	0.50	0.050	mg/L		03/15/16 08:31	03/17/16 02:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:31	03/17/16 02:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:31	03/17/16 02:48	1
Chromium	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:48	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:48	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:48	1
Iron	<0.40		0.40	0.20	mg/L		03/15/16 08:31	03/17/16 02:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/15/16 08:31	03/17/16 02:48	1
Manganese	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:48	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:31	03/17/16 02:48	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:31	03/17/16 02:48	1
Zinc	0.034	J B	0.50	0.020	mg/L		03/15/16 08:31	03/17/16 02:48	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		03/15/16 08:35	03/16/16 14:23	1
Barium	0.092	J	0.50	0.050	mg/L		03/15/16 08:35	03/16/16 00:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/15/16 08:35	03/16/16 00:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/15/16 08:35	03/16/16 00:46	1
Chromium	0.017	J	0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:46	1
Cobalt	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:46	1
Copper	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:46	1
Iron	13		0.40	0.20	mg/L		03/15/16 08:35	03/16/16 00:46	1
Lead	0.050		0.0075	0.0075	mg/L		03/15/16 08:35	03/16/16 00:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Client Sample ID: AL16-5(0-1)-038016

Lab Sample ID: 500-108494-15

Date Collected: 03/08/16 15:25

Matrix: Solid

Date Received: 03/08/16 16:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.24		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:46	1
Nickel	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/15/16 08:35	03/16/16 00:46	1
Silver	<0.025		0.025	0.010	mg/L		03/15/16 08:35	03/16/16 00:46	1
Zinc	0.41	J ^	0.50	0.020	mg/L		03/15/16 08:35	03/16/16 00:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Arsenic	2.8		0.55	0.25	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Barium	44		0.55	0.10	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Beryllium	0.35		0.22	0.047	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Cadmium	0.23	B	0.11	0.032	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Calcium	26000	B	11	3.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Chromium	7.8	B	2.7	0.094	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Cobalt	4.3		0.27	0.062	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Copper	8.2		0.55	0.12	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Iron	7600	B	11	4.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Lead	52		0.27	0.14	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Magnesium	14000	B	5.5	2.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Manganese	360	B	0.55	0.11	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Nickel	8.1	B	0.55	0.15	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Potassium	540		27	4.5	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Selenium	0.45	J	0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Sodium	110		55	7.2	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Vanadium	9.8		0.27	0.080	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	1
Zinc	48		1.1	0.35	mg/Kg	☼	03/14/16 15:31	03/15/16 14:39	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		03/15/16 14:30	03/16/16 15:01	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		03/15/16 14:30	03/16/16 15:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		16	8.6	ug/Kg	☼	03/15/16 16:45	03/16/16 20:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.82		0.200	0.200	SU			03/10/16 13:26	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108494-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108494 COC

Report To (optional)
Contact: S. Babusukumar
Company: WESTON SAUNTONS
Address: Wilmington, IL
Address:
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.8

Client		Client Project #		Preservative							Preservative Key				
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>				1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other			
Project Name		Lab Project #		Parameter							Comments				
<u>108494</u>															
Project Location/State		Sampler		Lab PM											
<u>WILMINGTON, IL</u>		<u>A. SIMPSON</u>		<u>DICK WRIGHT</u>											
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	Trace Metals	Pb				
			Date	Time											
<u>1</u>		<u>AL12-1-(0-1)-030816</u>	<u>30816</u>	<u>1305</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>2</u>		<u>AL13-2-(0-1)-030816</u>	<u>030816</u>	<u>1320</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>3</u>		<u>AL13-1-(0-1)-030816</u>		<u>1325</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>4</u>		<u>AL14-1-(0-1)-030816</u>		<u>1340</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>5</u>		<u>AL15-8-(0-1)-030816</u>		<u>1350</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>6</u>		<u>AL15-7-(0-1)-030816</u>		<u>1357</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>7</u>		<u>AL15-6-(0-1)-030816</u>		<u>1405</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>8</u>		<u>AL15-5-(0-1)-030816</u>		<u>1415</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>9</u>		<u>AL15-4-(0-1)-030816</u>		<u>1428</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>10</u>		<u>AL15-4-(0-1)D-030816</u>		<u>1428</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Retained Other
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>AS</u>	Company: <u>WESTON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>	Received By: <u>[Signature]</u>	Company: <u>WESTON</u>	Date: <u>3/8/16</u>	Time: <u>15:40</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPE</u>	Date: <u>3/8/16</u>	Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babuszkiewicz
 Company: Weston Solutions
 Address: 300 Plaza Circle, Ste 200
 Address: Mableton, IL
 Phone: 224-864-7250
 Fax:
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108494

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Sample		Lab PM		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
<u>WESTON</u>				<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>	<u>7</u>		
Project Name <u>LDOS 039</u>		Project Location/State <u>WILMINGTON, IL</u>		Parameter		Sample		Lab PM		Comments		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix						
<u>11</u>		<u>AL15-3-(0-1)-030816</u>	<u>030816</u>	<u>1435</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>AL15-2-(0-1)-030816</u>	<u>↓</u>	<u>1440</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>13</u>		<u>AL15-1-(0-1)-030816</u>	<u>↓</u>	<u>1505</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>14</u>		<u>AL16-6-(0-1)-030816</u>	<u>↓</u>	<u>1515</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>15</u>		<u>AL16-5-(0-1)-030816</u>	<u>↓</u>	<u>1525</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Turnaround Time Required (Business Days)
 Requested Due Date: 2 Days 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days per contract Other
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>3/8/16</u> Time: <u>15:40</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>15:48</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Received By: <u>[Signature]</u> Company: <u>TA-ERT</u> Date: <u>3/8/16</u> Time: <u>16:45</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

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: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL16-3(0-1)-030916

Lab Sample ID: 500-108575-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 14:28	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 14:28	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 14:28	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 14:28	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 14:28	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 14:28	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 14:28	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 14:28	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 14:28	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 14:28	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/11/16 14:28	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 14:28	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 14:28	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 14:28	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 14:28	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 14:28	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 14:28	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 14:28	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 14:28	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 14:28	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 14:28	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 14:28	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 14:28	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 14:28	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 14:28	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 14:28	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 14:28	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 14:28	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 14:28	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 14:28	1
Dibromofluoromethane	95		75 - 120		03/11/16 14:28	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 14:28	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL16-3(0-1)-030916

Lab Sample ID: 500-108575-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Acenaphthene	8.6	J	36	6.6	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Acenaphthylene	28	J	36	4.8	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Anthracene	26	J	36	6.1	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Benzo[a]anthracene	160		36	4.9	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Benzo[a]pyrene	220	*	36	7.1	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Benzo[b]fluoranthene	410	*	36	7.9	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Benzo[g,h,i]perylene	120	*	36	12	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Benzo[k]fluoranthene	110	*	36	11	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Bis(2-ethylhexyl) phthalate	77	J B	180	67	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Carbazole	<180		180	92	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Chrysene	190		36	10	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Dibenz(a,h)anthracene	26	J *	36	7.1	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Fluoranthene	240		36	6.8	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Fluorene	8.0	J	36	5.1	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL16-3(0-1)-030916

Lab Sample ID: 500-108575-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.3

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	130	*	36	9.5	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Naphthalene	5.9	J	36	5.6	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Phenanthrene	82		36	5.1	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Pyrene	440		36	7.3	ug/Kg	☼	03/11/16 13:22	03/18/16 22:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	40		35 - 137				03/11/16 13:22	03/18/16 22:53	1
2-Fluorobiphenyl	43		25 - 119				03/11/16 13:22	03/18/16 22:53	1
2-Fluorophenol	46		25 - 110				03/11/16 13:22	03/18/16 22:53	1
Nitrobenzene-d5	38		25 - 115				03/11/16 13:22	03/18/16 22:53	1
Phenol-d5	48		31 - 110				03/11/16 13:22	03/18/16 22:53	1
Terphenyl-d14	90		36 - 134				03/11/16 13:22	03/18/16 22:53	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		03/17/16 15:03	03/18/16 18:21	1
Barium	0.22	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 18:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 18:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 18:21	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:21	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:21	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 18:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 18:21	1
Manganese	0.98		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:21	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 18:21	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:21	1
Zinc	0.059	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 01:47	1
Barium	0.27	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 01:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 01:47	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 01:47	1
Chromium	0.068		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:47	1
Cobalt	0.017	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:47	1
Copper	0.073		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:47	1
Iron	69		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 01:47	1
Lead	0.22		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 01:47	1
Manganese	0.96		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:47	1
Nickel	0.052		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:47	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 01:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL16-3(0-1)-030916

Lab Sample ID: 500-108575-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.3

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		03/18/16 08:38	03/19/16 01:47	1
Zinc	0.36	J ^	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 01:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Arsenic	2.8		0.54	0.25	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Barium	34		0.54	0.10	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Beryllium	0.30		0.22	0.047	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Cadmium	0.47		0.11	0.032	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Calcium	66000	B	110	35	mg/Kg	☼	03/12/16 13:21	03/17/16 07:43	10
Chromium	8.6	B	0.54	0.094	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Cobalt	3.6		0.27	0.061	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Copper	11		0.54	0.12	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Iron	8000	B	11	4.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Lead	35		0.27	0.14	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Magnesium	34000	B	5.4	2.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Manganese	320		0.54	0.11	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Nickel	8.8	B	0.54	0.15	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Potassium	630		27	4.4	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Selenium	0.57		0.54	0.27	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Sodium	1300		54	7.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Vanadium	11		0.27	0.079	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	1
Zinc	55		1.1	0.34	mg/Kg	☼	03/12/16 13:21	03/15/16 14:03	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		03/17/16 16:30	03/18/16 14:39	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		03/18/16 17:45	03/19/16 12:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	8.7	ug/Kg	☼	03/16/16 15:00	03/17/16 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.84		0.200	0.200	SU			03/11/16 16:26	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
WESTON SOLUTIONS		02056.014.039.0038		7	7	7	7	7	VOC SVOC Total Metals TELP (SPLP) Metals PH			
Project Name 100T039-IL RTE 102		Project Location/State WILMINGTON, IL		Lab Project #		Sampler A. Simpson		Lab PM				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments					
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X	
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X	
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X	
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X	
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X	
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X	
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X	
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X	
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X	
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X	

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other

Requested Due Date

Sample Disposal

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

Relinquished By <u>A. S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company WESTON	Date 3/9/16	Time 1555
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
Project Location/State		Lab PM		S		S		S		S		
WILMINGTON, IL		D. WRIGHT		S		S		S		S		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOCs	Total Metals	TECP/SPLP Metals	PH	Comments
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 2 wks Other
 Requested Due Date: 3/9/16

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

Relinquished By: <u>A. Sun</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: <u></u>
Relinquished By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Received By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Hand Delivered: <u></u>

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments:

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19000 block of IL 102 (ISGS Site No. 2946-19)

City: Wesley Township 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: 41.241193126 Longitude: -88.083397770
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.241193126 Longitude: -88.083397770

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 VL19-1 THROUGH VL19-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-19. SEE FIGURES 3-8 AND 3-9 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108575-1.
ALSO SEE FIGURES 4-8 AND 4-9 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

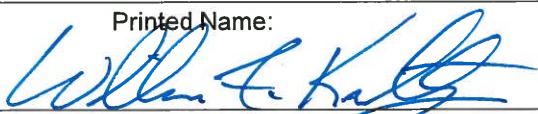
I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	VL19-1(0-1)-030916	VL19-1(0-1)-030916D	VL19-2(0-1)-030916	VL19-3(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	VL19-1	VL19-1	VL19-2	VL19-3	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-19	2946-19	2946-19	2946-19	
Parameter					
Laboratory pH (s.u.)	8.21	8.3	8.22	8.63	<6.25,>9.0
VOCs (ug/kg)	None Detected				
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	8.4 J	ND	ND	---
Acenaphthene	ND	6.8 J	ND	ND	570000
Acenaphthylene	16 J	24 J	320	48	---
Anthracene	16 J	25 J	74 J	26 J	1.20E+07
Benzo(a)anthracene	120 J	110 J	310 J	180	900 / 1100 / 1800
Benzo(a)pyrene	160 J	130 J	530 J	240 J	90 / 1300 / 2100
Benzo(b)fluoranthene	280 J	240 J	850 J	420 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	98 J	92 J	420 J	160 J	---
Benzo(k)fluoranthene	85 J	73 J	270 J	130 J	9000
Chrysene	150 J	130 J	370 J	190	88000
Dibenzo(a,h)anthracene	ND	ND	ND	30 J	90 / 200 / 420
Fluoranthene	180	190	230	230	3100000
Fluorene	5.7 J	6.5 J	ND	7.2 J	560000
Indeno(1,2,3-cd)pyrene	93 J	92 J	400 J	160 J	900 / 900 / 1600
Phenanthrene	110	110	62 J	90	---
Pyrene	400 J	420 J	650 J	540	2300000
Total Metals (mg/kg)					
Arsenic, Total	4.3 J	3.2	4 J	1.5 J	11.3 / 13
Barium, Total	30	28	34	24	1500
Beryllium, Total	0.2 J	0.26	0.45	0.18 J	22
Cadmium, Total	0.055 J	0.081 J	0.099 J	0.12	5.2
Calcium, Total	68000 J	66000	59000 J	93000 J	---
Chromium, Total	10 J	13 B	7.8 J	8.5 J	21
Cobalt, Total	4.8 J	3.9	3.8 J	2.6 J	20
Copper, Total	8	8.9	6.8	12	2900
Iron, Total	8700 J	7400 J-	7500 J	5400 J	15000 / 15900
Lead, Total	47 J	57	50 J	30 J	107
Magnesium, Total	33000 J	25000 B	27000 J	54000 J	325000
Manganese, Total	320 J-	280	310 J-	270 J-	630 / 636
Mercury, Total	0.016 J	0.014 J	0.016 J	0.067	0.89
Nickel, Total	11 B	9.2 B	7.3 B	7.3 B	100
Potassium, Total	600 J+	600	590 J+	480 J+	---
Selenium, Total	0.45 J	0.38 J	0.5 J	ND	1.3
Sodium, Total	680	690	380	1100	---
Vanadium, Total	9.6	9.8	10	9.2	550
Zinc, Total	35	41	41	45	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.25 J	0.25 J	0.29 J	0.22 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.1	0.89	0.15	1.1	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2946-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	VL19-1(0-1)-030916	VL19-1(0-1)-030916D	VL19-2(0-1)-030916	VL19-3(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	VL19-1	VL19-1	VL19-2	VL19-3	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-19	2946-19	2946-19	2946-19	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.012 J	ND	0.017 J	ND	0.05
Barium, SPLP	0.19 J	0.16 J	0.15 J	0.17 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.05	0.025	0.034	0.048	0.1
Cobalt, SPLP	0.012 J	ND	ND	ND	1
Copper, SPLP	0.041	0.025	0.025	0.042	0.65
Iron, SPLP	48 J-	22 J-	44 J-	38 J-	5
Lead, SPLP	0.13 J	0.15 J	0.11 J-	0.16 J-	0.0075
Manganese, SPLP	0.56 J-	0.38 J-	0.46 J-	0.5 J-	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.04	0.018 J	0.026	0.034	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.23 J	0.13 J	0.19 J	0.26 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-3(0-1)-030916

Lab Sample ID: 500-108575-7

Date Collected: 03/09/16 09:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 15:43	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 15:43	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 15:43	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 15:43	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 15:43	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 15:43	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 15:43	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 15:43	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 15:43	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 15:43	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 15:43	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 15:43	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 15:43	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 15:43	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 15:43	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 15:43	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 15:43	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 15:43	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 15:43	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 15:43	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 15:43	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 15:43	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 15:43	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/11/16 15:43	1
Dibromofluoromethane	96		75 - 120		03/11/16 15:43	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 15:43	1
Toluene-d8 (Surr)	114		75 - 122		03/11/16 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-3(0-1)-030916

Lab Sample ID: 500-108575-7

Date Collected: 03/09/16 09:40

Matrix: Solid

Date Received: 03/09/16 16:45

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	<360		360	82	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Acenaphthylene	48		36	4.7	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Anthracene	26 J		36	6.0	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Benzo[a]anthracene	180		36	4.8	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Benzo[a]pyrene	240 *		36	7.0	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Benzo[b]fluoranthene	420 *		36	7.8	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Benzo[g,h,i]perylene	160 *		36	12	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Benzo[k]fluoranthene	130 *		36	11	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Bis(2-ethylhexyl) phthalate	86 J B		180	66	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Carbazole	<180		180	90	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Chrysene	190		36	9.8	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Dibenz(a,h)anthracene	30 J *		36	6.9	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Fluoranthene	230		36	6.7	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Fluorene	7.2 J		36	5.1	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-3(0-1)-030916

Lab Sample ID: 500-108575-7

Date Collected: 03/09/16 09:40

Matrix: Solid

Date Received: 03/09/16 16:45

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	160	*	36	9.3	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Naphthalene	<36		36	5.5	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Phenanthrene	90		36	5.0	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Phenol	<180		180	80	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Pyrene	540		36	7.1	ug/Kg	☼	03/11/16 13:22	03/19/16 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		35 - 137				03/11/16 13:22	03/19/16 00:19	1
2-Fluorobiphenyl	53		25 - 119				03/11/16 13:22	03/19/16 00:19	1
2-Fluorophenol	58		25 - 110				03/11/16 13:22	03/19/16 00:19	1
Nitrobenzene-d5	47		25 - 115				03/11/16 13:22	03/19/16 00:19	1
Phenol-d5	58		31 - 110				03/11/16 13:22	03/19/16 00:19	1
Terphenyl-d14	111		36 - 134				03/11/16 13:22	03/19/16 00:19	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		03/17/16 15:03	03/18/16 18:36	1
Barium	0.22	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 18:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 18:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 18:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:36	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:36	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 18:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 18:36	1
Manganese	1.1		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:36	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 18:36	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:36	1
Zinc	0.12	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 18:36	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		03/18/16 08:38	03/19/16 01:59	1
Barium	0.17	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 01:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 01:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 01:59	1
Chromium	0.048		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:59	1
Cobalt	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:59	1
Copper	0.042		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:59	1
Iron	38		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 01:59	1
Lead	0.16		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 01:59	1
Manganese	0.50		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:59	1
Nickel	0.034		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 01:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 01:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-3(0-1)-030916

Lab Sample ID: 500-108575-7

Date Collected: 03/09/16 09:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.7

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		03/18/16 08:38	03/19/16 01:59	1
Zinc	0.26	J ^	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 01:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Arsenic	1.5		0.51	0.24	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Barium	24		0.51	0.094	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Beryllium	0.18	J	0.20	0.044	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Cadmium	0.12		0.10	0.030	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Calcium	93000	B	100	33	mg/Kg	☼	03/12/16 13:21	03/17/16 07:55	10
Chromium	8.5	B	0.51	0.088	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Cobalt	2.6		0.26	0.058	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Copper	12		0.51	0.11	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Iron	5400	B	10	4.0	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Lead	30		0.26	0.13	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Magnesium	54000	B	51	21	mg/Kg	☼	03/12/16 13:21	03/17/16 07:55	10
Manganese	270		0.51	0.10	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Nickel	7.3	B	0.51	0.14	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Potassium	480		26	4.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Sodium	1100		51	6.8	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Vanadium	9.2		0.26	0.075	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	1
Zinc	45		1.0	0.32	mg/Kg	☼	03/12/16 13:21	03/15/16 14:27	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		03/17/16 16:30	03/18/16 14:49	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		03/18/16 17:45	03/19/16 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	67		17	8.9	ug/Kg	☼	03/16/16 15:00	03/17/16 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.63		0.200	0.200	SU			03/11/16 16:45	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-2(0-1)-030916

Lab Sample ID: 500-108575-10

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 16:58	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 16:58	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 16:58	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 16:58	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 16:58	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 16:58	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 16:58	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 16:58	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 16:58	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 16:58	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/11/16 16:58	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 16:58	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 16:58	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 16:58	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 16:58	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 16:58	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 16:58	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 16:58	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 16:58	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 16:58	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 16:58	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 16:58	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 16:58	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 16:58	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 16:58	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 16:58	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 16:58	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 16:58	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 16:58	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 16:58	1
Dibromofluoromethane	97		75 - 120		03/11/16 16:58	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134		03/11/16 16:58	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<890		890	190	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
1,2-Dichlorobenzene	<890		890	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
1,3-Dichlorobenzene	<890		890	200	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
1,4-Dichlorobenzene	<890		890	230	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,2'-oxybis[1-chloropropane]	<890		890	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-2(0-1)-030916

Lab Sample ID: 500-108575-10

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	400	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,4,6-Trichlorophenol	<1800		1800	610	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,4-Dichlorophenol	<1800		1800	420	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,4-Dimethylphenol	<1800		1800	670	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,4-Dinitrophenol	<3600		3600	3100	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,4-Dinitrotoluene	<890		890	280	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2,6-Dinitrotoluene	<890		890	350	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2-Chloronaphthalene	<890		890	200	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2-Chlorophenol	<890		890	300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2-Methylnaphthalene	<180		180	33	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2-Methylphenol	<890		890	280	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2-Nitroaniline	<890		890	240	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
2-Nitrophenol	<1800		1800	420	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
3 & 4 Methylphenol	<890		890	300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
3,3'-Dichlorobenzidine	<890 *		890	250	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
3-Nitroaniline	<1800		1800	550	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4,6-Dinitro-2-methylphenol	<3600		3600	1400	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4-Bromophenyl phenyl ether	<890		890	230	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4-Chloro-3-methylphenol	<1800		1800	600	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4-Chloroaniline	<3600		3600	830	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4-Chlorophenyl phenyl ether	<890		890	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4-Nitroaniline	<1800		1800	740	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
4-Nitrophenol	<3600		3600	1700	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Acenaphthene	<180		180	32	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Acenaphthylene	320		180	23	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Anthracene	74 J		180	30	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Benzo[a]anthracene	310 *		180	24	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Benzo[a]pyrene	530 *		180	34	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Benzo[b]fluoranthene	850 *		180	38	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Benzo[g,h,i]perylene	420 *		180	57	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Benzo[k]fluoranthene	270 *		180	52	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Bis(2-chloroethoxy)methane	<890		890	180	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Bis(2-chloroethyl)ether	<890		890	270	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Bis(2-ethylhexyl) phthalate	<890 *		890	320	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Butyl benzyl phthalate	<890 *		890	340	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Carbazole	<890		890	440	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Chrysene	370 *		180	48	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Dibenz(a,h)anthracene	<180 *		180	34	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Dibenzofuran	<890		890	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Diethyl phthalate	<890		890	300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Dimethyl phthalate	<890		890	230	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Di-n-butyl phthalate	<890		890	270	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Di-n-octyl phthalate	<890		890	290	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Fluoranthene	230		180	33	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Fluorene	<180		180	25	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Hexachlorobenzene	<360		360	41	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Hexachlorobutadiene	<890		890	280	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Hexachlorocyclopentadiene	<3600		3600	1000	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Hexachloroethane	<890		890	270	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-2(0-1)-030916

Lab Sample ID: 500-108575-10

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	400	*	180	46	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Isophorone	<890		890	200	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Naphthalene	<180		180	27	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Nitrobenzene	<180		180	44	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
N-Nitrosodi-n-propylamine	<360		360	220	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
N-Nitrosodiphenylamine	<890		890	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Pentachlorophenol	<3600		3600	2800	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Phenanthrene	62	J	180	25	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Phenol	<890		890	390	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Pyrene	650	*	180	35	ug/Kg	☼	03/11/16 13:22	03/19/16 01:45	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	68		35 - 137				03/11/16 13:22	03/19/16 01:45	5
<i>2-Fluorobiphenyl</i>	85		25 - 119				03/11/16 13:22	03/19/16 01:45	5
<i>2-Fluorophenol</i>	70		25 - 110				03/11/16 13:22	03/19/16 01:45	5
<i>Nitrobenzene-d5</i>	63		25 - 115				03/11/16 13:22	03/19/16 01:45	5
<i>Phenol-d5</i>	88		31 - 110				03/11/16 13:22	03/19/16 01:45	5
<i>Terphenyl-d14</i>	189	X *	36 - 134				03/11/16 13:22	03/19/16 01:45	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		03/17/16 15:03	03/18/16 18:52	1
Barium	0.29	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 18:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 18:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 18:52	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:52	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:52	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:52	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 18:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 18:52	1
Manganese	0.15		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:52	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:52	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 18:52	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:52	1
Zinc	0.048	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 02:19	1
Barium	0.15	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:19	1
Chromium	0.034		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:19	1
Copper	0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:19	1
Iron	44		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:19	1
Lead	0.11		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:19	1
Manganese	0.46		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:19	1
Nickel	0.026		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-2(0-1)-030916

Lab Sample ID: 500-108575-10

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.4

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		03/18/16 08:38	03/19/16 02:19	1
Zinc	0.19	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Arsenic	4.0		0.53	0.25	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Barium	34		0.53	0.098	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Beryllium	0.45		0.21	0.046	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Cadmium	0.099	J	0.11	0.031	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Calcium	59000	B	110	34	mg/Kg	☼	03/12/16 13:21	03/17/16 08:16	10
Chromium	7.8	B	0.53	0.092	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Cobalt	3.8		0.27	0.060	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Copper	6.8		0.53	0.12	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Iron	7500	B	11	4.1	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Lead	50		0.27	0.13	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Magnesium	27000	B	5.3	2.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Manganese	310		0.53	0.11	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Nickel	7.3	B	0.53	0.14	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Potassium	590		27	4.3	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Selenium	0.50	J	0.53	0.26	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Sodium	380		53	7.0	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Vanadium	10		0.27	0.078	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	1
Zinc	41		1.1	0.34	mg/Kg	☼	03/12/16 13:21	03/15/16 14:43	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		03/17/16 16:30	03/18/16 14:55	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		03/18/16 17:45	03/19/16 12:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22		0.200	0.200	SU			03/11/16 17:05	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916

Lab Sample ID: 500-108575-11

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 17:24	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:24	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/11/16 17:24	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:24	1
Bromomethane	<5.6 *		5.6	2.0	ug/Kg	☼		03/11/16 17:24	1
Carbon disulfide	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 17:24	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:24	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/11/16 17:24	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:24	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:24	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/11/16 17:24	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:24	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		03/11/16 17:24	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 17:24	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 17:24	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 17:24	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 17:24	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 17:24	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/11/16 17:24	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 17:24	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:24	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.88	ug/Kg	☼		03/11/16 17:24	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:24	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/11/16 17:24	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 17:24	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 17:24	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:24	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 17:24	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:24	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 17:24	1
Dibromofluoromethane	98		75 - 120		03/11/16 17:24	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		03/11/16 17:24	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 17:24	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	☼	03/11/16 13:22	03/19/16 02:14	1
1,2-Dichlorobenzene	<170		170	42	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916

Lab Sample ID: 500-108575-11

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	79	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2-Methylphenol	<170		170	56	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
3,3'-Dichlorobenzidine	<170 *		170	49	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Acenaphthene	<35		35	6.2	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Acenaphthylene	16 J		35	4.6	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Anthracene	16 J		35	5.8	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Benzo[a]anthracene	120 *		35	4.7	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Benzo[a]pyrene	160 *		35	6.7	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Benzo[b]fluoranthene	280 *		35	7.5	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Benzo[g,h,i]perylene	98 *		35	11	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Benzo[k]fluoranthene	85 *		35	10	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Bis(2-ethylhexyl) phthalate	78 J B *		170	63	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Butyl benzyl phthalate	<170 *		170	66	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Carbazole	<170		170	87	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Chrysene	150 *		35	9.5	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Dibenz(a,h)anthracene	<35 *		35	6.7	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Dibenzofuran	<170		170	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Fluoranthene	180		35	6.4	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Fluorene	5.7 J		35	4.9	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Hexachloroethane	<170		170	53	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916

Lab Sample ID: 500-108575-11

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	93	*	35	9.0	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Isophorone	<170		170	39	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Naphthalene	<35		35	5.3	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Phenanthrene	110		35	4.8	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Phenol	<170		170	77	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Pyrene	400	*	35	6.9	ug/Kg	☼	03/11/16 13:22	03/19/16 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		35 - 137				03/11/16 13:22	03/19/16 02:14	1
2-Fluorobiphenyl	96		25 - 119				03/11/16 13:22	03/19/16 02:14	1
2-Fluorophenol	103		25 - 110				03/11/16 13:22	03/19/16 02:14	1
Nitrobenzene-d5	86		25 - 115				03/11/16 13:22	03/19/16 02:14	1
Phenol-d5	107		31 - 110				03/11/16 13:22	03/19/16 02:14	1
Terphenyl-d14	213	X *	36 - 134				03/11/16 13:22	03/19/16 02:14	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		03/17/16 15:03	03/18/16 19:11	1
Barium	0.25	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:11	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:11	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:11	1
Manganese	1.1		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:11	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:11	1
Zinc	0.059	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 02:23	1
Barium	0.19	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:23	1
Chromium	0.050		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:23	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:23	1
Copper	0.041		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:23	1
Iron	48		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:23	1
Lead	0.13		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:23	1
Manganese	0.56		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:23	1
Nickel	0.040		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916

Lab Sample ID: 500-108575-11

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.9

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		03/18/16 08:38	03/19/16 02:23	1
Zinc	0.23	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1	F1	1.1	0.23	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Arsenic	4.3	F1	0.54	0.25	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Barium	30		0.54	0.099	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Beryllium	0.20	J	0.22	0.047	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Cadmium	0.055	J	0.11	0.031	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Calcium	68000	B F2	110	35	mg/Kg	☼	03/12/16 13:21	03/17/16 08:21	10
Chromium	10	F1 F2 B	0.54	0.093	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Cobalt	4.8		0.27	0.061	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Copper	8.0		0.54	0.12	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Iron	8700	B	11	4.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Lead	47	F2	0.27	0.14	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Magnesium	33000	F2 B	5.4	2.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Manganese	320		0.54	0.11	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Nickel	11	B	0.54	0.15	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Potassium	600	F1	27	4.4	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Selenium	0.45	J F1	0.54	0.27	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Sodium	680		54	7.2	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Vanadium	9.6		0.27	0.079	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	1
Zinc	35		1.1	0.34	mg/Kg	☼	03/12/16 13:21	03/15/16 14:48	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		03/17/16 16:30	03/18/16 14:57	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		03/18/16 17:45	03/19/16 13:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	8.8	ug/Kg	☼	03/16/16 15:00	03/17/16 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.21		0.200	0.200	SU			03/11/16 17:11	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916D

Lab Sample ID: 500-108575-12

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 17:49	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:49	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/11/16 17:49	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:49	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/11/16 17:49	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 17:49	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:49	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:49	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/11/16 17:49	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:49	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 17:49	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:49	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:49	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/11/16 17:49	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:49	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/11/16 17:49	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 17:49	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 17:49	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 17:49	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 17:49	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 17:49	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/11/16 17:49	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 17:49	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:49	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:49	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:49	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/11/16 17:49	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 17:49	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 17:49	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 17:49	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 17:49	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:49	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 17:49	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 17:49	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 17:49	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/11/16 17:49	1
Dibromofluoromethane	97		75 - 120		03/11/16 17:49	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 17:49	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 17:49	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	☼	03/11/16 13:22	03/19/16 02:42	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916D

Lab Sample ID: 500-108575-12

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.9

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	☼	03/11/16 13:22	03/19/16 02:42	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2-Methylnaphthalene	8.4	J	35	6.5	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
3,3'-Dichlorobenzidine	<180	*	180	49	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Acenaphthene	6.8	J	35	6.3	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Acenaphthylene	24	J	35	4.6	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Anthracene	25	J	35	5.9	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Benzo[a]anthracene	110	*	35	4.7	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Benzo[a]pyrene	130	*	35	6.8	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Benzo[b]fluoranthene	240	*	35	7.6	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Benzo[g,h,i]perylene	92	*	35	11	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Benzo[k]fluoranthene	73	*	35	10	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Bis(2-ethylhexyl) phthalate	91	J B *	180	64	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Butyl benzyl phthalate	<180	*	180	67	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Carbazole	<180		180	88	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Chrysene	130	*	35	9.6	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Dibenz(a,h)anthracene	<35	*	35	6.8	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Dibenzofuran	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Fluoranthene	190		35	6.5	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Fluorene	6.5	J	35	4.9	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Hexachloroethane	<180		180	53	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916D

Lab Sample ID: 500-108575-12

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.9

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	92	*	35	9.1	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Isophorone	<180		180	39	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Naphthalene	<35		35	5.4	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Phenanthrene	110		35	4.9	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Phenol	<180		180	78	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Pyrene	420	*	35	7.0	ug/Kg	☼	03/11/16 13:22	03/19/16 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		35 - 137				03/11/16 13:22	03/19/16 02:42	1
2-Fluorobiphenyl	96		25 - 119				03/11/16 13:22	03/19/16 02:42	1
2-Fluorophenol	103		25 - 110				03/11/16 13:22	03/19/16 02:42	1
Nitrobenzene-d5	82		25 - 115				03/11/16 13:22	03/19/16 02:42	1
Phenol-d5	106		31 - 110				03/11/16 13:22	03/19/16 02:42	1
Terphenyl-d14	215	X *	36 - 134				03/11/16 13:22	03/19/16 02:42	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		03/17/16 15:03	03/18/16 19:16	1
Barium	0.25	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:16	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:16	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:16	1
Manganese	0.89		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:16	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:16	1
Zinc	0.058	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:16	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		03/18/16 08:38	03/19/16 02:27	1
Barium	0.16	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:27	1
Chromium	0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:27	1
Copper	0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:27	1
Iron	22		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:27	1
Lead	0.15		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:27	1
Manganese	0.38		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:27	1
Nickel	0.018	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL19-1(0-1)-030916D

Lab Sample ID: 500-108575-12

Date Collected: 03/09/16 10:15

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.9

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		03/18/16 08:38	03/19/16 02:27	1
Zinc	0.13	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Arsenic	3.2		0.56	0.26	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Barium	28		0.56	0.10	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Beryllium	0.26		0.22	0.048	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Cadmium	0.081	J	0.11	0.032	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Calcium	66000		110	36	mg/Kg	☼	03/15/16 09:25	03/17/16 20:07	10
Chromium	13	B	2.8	0.096	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Cobalt	3.9		0.28	0.063	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Copper	8.9		0.56	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Iron	7400		11	4.1	mg/Kg	☼	03/18/16 15:58	03/19/16 22:44	1
Lead	57		0.28	0.14	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Magnesium	25000	B	5.6	2.3	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Manganese	280		0.56	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Nickel	9.2	B	0.56	0.15	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Potassium	600		28	4.6	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Selenium	0.38	J	0.56	0.28	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Sodium	690		56	7.4	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Vanadium	9.8		0.28	0.082	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	1
Zinc	41		1.1	0.35	mg/Kg	☼	03/15/16 09:25	03/17/16 06:01	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		03/17/16 16:30	03/18/16 14:59	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		03/18/16 17:45	03/19/16 13:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30		0.200	0.200	SU			03/11/16 17:18	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
WESTON SOLUTIONS		02056.014.039.0038		7	7	7	7	7				
Project Name 100T039-IL RTE 102		Project Location/State WILMINGTON, IL		Lab Project #		Sampler A. Simpson		Lab PM				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TELP (SPLP) Metals	PH	Comments
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X	
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X	
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X	
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X	
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X	
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X	
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X	
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X	
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X	
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other
 Requested Due Date _____

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

Relinquished By <u>A. S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
100T 059-1L RTE 102												
Project Location/State		Lab PM										
WILMINGTON, IL		D. WRIGHT										
Sampler		Alistair Simpson										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOCs	Total Metals	TECP/SPLP Metals	PH	Comments
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

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

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

Relinquished By: <u>A. Simpson</u>	Company: <u>WESTON</u>	Date: <u>03/09/16</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPE</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
 Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19660 IL 102 (ISGS Site No. 2946-20)

City: Wesley Township 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: 41.240763179 Longitude: -88.082963151
(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

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty LineLatitude: 41.240763179 Longitude: -88.082963151Uncontaminated 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 R20-1 AND R20-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-20. SEE FIGURE 3-9 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108575-1.
ALSO SEE FIGURE 4-9 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 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R20-1(0-1)-030916	R20-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	R20-1	R20-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-20	2946-20	
Parameter			
Laboratory pH (s.u.)	8.11	8.47	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
Acenaphthylene	ND	28 J	---
Anthracene	ND	22 J	1.20E+07
Benzo(a)anthracene	150 J	180 J	900 / 1100 / 1800
Benzo(a)pyrene	220 J	260 J	90 / 1300 / 2100
Benzo(b)fluoranthene	520 J	410 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	210 J	300 J	---
Benzo(k)fluoranthene	ND	130 J	9000
Chrysene	230 J	250 J	88000
Dibenzo(a,h)anthracene	ND	50 J	90 / 200 / 420
Fluoranthene	250	230	3100000
Indeno(1,2,3-cd)pyrene	120 J	230 J	900 / 900 / 1600
Phenanthrene	110 J	79	---
Pyrene	570 J	670 J	2300000
Total Metals (mg/kg)			
Antimony, Total	0.31 J	ND	5
Arsenic, Total	1.2 J	2.1 J	11.3 / 13
Barium, Total	35	36	1500
Beryllium, Total	0.17 J	0.23	22
Cadmium, Total	0.19	0.12	5.2
Calcium, Total	140000 J	75000 J	---
Chromium, Total	18 J	15 J	21
Cobalt, Total	2 J	3 J	20
Copper, Total	15	9.2	2900
Iron, Total	6900 J	5600 J	15000 / 15900
Lead, Total	36 J	66 J	107
Magnesium, Total	85000 J	40000 J	325000
Manganese, Total	290 J-	260 J-	630 / 636
Mercury, Total	0.0098 J	0.014 J	0.89
Nickel, Total	8.4 B	7 B	100
Potassium, Total	530 J+	490 J+	---
Sodium, Total	1200	1200	---
Vanadium, Total	8.3	9.8	550
Zinc, Total	110	54	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.26 J	0.25 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	1.1	1	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	0.012 J	ND	0.1
Zinc, TCLP	0.42 J	ND	5

Summary Table of ISGS Site No. 2946-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R20-1(0-1)-030916	R20-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	R20-1	R20-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-20	2946-20	
Parameter			
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	ND	0.05
Barium, SPLP	ND	0.23 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	ND	0.053	0.1
Cobalt, SPLP	ND	0.012 J	1
Copper, SPLP	0.012 J	0.046	0.65
Iron, SPLP	2.5 J-	51 J-	5
Lead, SPLP	0.023 J-	0.14 J-	0.0075
Manganese, SPLP	0.071 J-	0.54 J-	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	ND	0.035	0.1
Zinc, SPLP	0.1 J	0.31 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-2(0-1)-030916

Lab Sample ID: 500-108575-8

Date Collected: 03/09/16 09:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 16:08	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 16:08	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 16:08	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 16:08	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/11/16 16:08	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 16:08	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 16:08	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 16:08	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 16:08	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 16:08	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 16:08	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 16:08	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 16:08	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/11/16 16:08	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 16:08	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/11/16 16:08	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 16:08	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 16:08	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 16:08	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 16:08	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 16:08	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 16:08	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 16:08	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 16:08	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 16:08	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 16:08	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/11/16 16:08	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 16:08	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 16:08	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 16:08	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 16:08	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 16:08	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 16:08	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 16:08	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 16:08	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 16:08	1
Dibromofluoromethane	99		75 - 120		03/11/16 16:08	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 16:08	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 16:08	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	☼	03/11/16 13:22	03/17/16 21:37	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-2(0-1)-030916

Lab Sample ID: 500-108575-8

Date Collected: 03/09/16 09:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Acenaphthylene	28 J		37	4.9	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Anthracene	22 J		37	6.3	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Benzo[a]anthracene	180 *		37	5.0	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Benzo[a]pyrene	260 *		37	7.2	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Benzo[b]fluoranthene	410 *		37	8.1	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Benzo[g,h,i]perylene	300 *		37	12	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Benzo[k]fluoranthene	130 *		37	11	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Bis(2-ethylhexyl) phthalate	140 J B *		190	68	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Butyl benzyl phthalate	<190 *		190	71	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Carbazole	<190		190	94	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Chrysene	250 *		37	10	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Dibenz(a,h)anthracene	50 *		37	7.2	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Fluoranthene	230		37	6.9	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-2(0-1)-030916

Lab Sample ID: 500-108575-8

Date Collected: 03/09/16 09:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.5

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	230	*	37	9.7	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Phenanthrene	79		37	5.2	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Pyrene	670	*	37	7.4	ug/Kg	☼	03/11/16 13:22	03/17/16 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	102		35 - 137				03/11/16 13:22	03/17/16 21:37	1
2-Fluorobiphenyl	108		25 - 119				03/11/16 13:22	03/17/16 21:37	1
2-Fluorophenol	109		25 - 110				03/11/16 13:22	03/17/16 21:37	1
Nitrobenzene-d5	101		25 - 115				03/11/16 13:22	03/17/16 21:37	1
Phenol-d5	117	X	31 - 110				03/11/16 13:22	03/17/16 21:37	1
Terphenyl-d14	235	X*	36 - 134				03/11/16 13:22	03/17/16 21:37	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		03/17/16 15:03	03/18/16 18:41	1
Barium	0.25	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 18:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 18:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 18:41	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:41	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:41	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:41	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 18:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 18:41	1
Manganese	1.0		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:41	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 18:41	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:41	1
Zinc	0.11	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 18:41	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		03/18/16 08:38	03/19/16 02:03	1
Barium	0.23	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:03	1
Chromium	0.053		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:03	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:03	1
Copper	0.046		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:03	1
Iron	51		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:03	1
Lead	0.14		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:03	1
Manganese	0.54		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:03	1
Nickel	0.035		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-2(0-1)-030916

Lab Sample ID: 500-108575-8

Date Collected: 03/09/16 09:50

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.5

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		03/18/16 08:38	03/19/16 02:03	1
Zinc	0.31	J ^	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Arsenic	2.1		0.55	0.26	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Barium	36		0.55	0.10	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Beryllium	0.23		0.22	0.048	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Cadmium	0.12		0.11	0.032	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Calcium	75000	B	110	36	mg/Kg	☼	03/12/16 13:21	03/17/16 08:08	10
Chromium	15	B	0.55	0.095	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Cobalt	3.0		0.28	0.063	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Copper	9.2		0.55	0.12	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Iron	5600	B	11	4.3	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Lead	66		0.28	0.14	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Magnesium	40000	B	5.5	2.3	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Manganese	260		0.55	0.11	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Nickel	7.0	B	0.55	0.15	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Potassium	490		28	4.5	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Sodium	1200		55	7.3	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Vanadium	9.8		0.28	0.081	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	1
Zinc	54		1.1	0.35	mg/Kg	☼	03/12/16 13:21	03/15/16 14:32	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		03/17/16 16:30	03/18/16 14:51	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		03/18/16 17:45	03/19/16 12:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	16	8.6	ug/Kg	☼	03/16/16 15:00	03/17/16 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.47		0.200	0.200	SU			03/11/16 16:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-1(0-1)-030916

Lab Sample ID: 500-108575-9

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 16:33	1
Benzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		03/11/16 16:33	1
Bromoform	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 16:33	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/11/16 16:33	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 16:33	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 16:33	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		03/11/16 16:33	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 16:33	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 16:33	1
cis-1,2-Dichloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 16:33	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		03/11/16 16:33	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 16:33	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	☼		03/11/16 16:33	1
1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 16:33	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 16:33	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 16:33	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 16:33	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 16:33	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		03/11/16 16:33	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 16:33	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 16:33	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	☼		03/11/16 16:33	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 16:33	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 16:33	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 16:33	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 16:33	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 16:33	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 16:33	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 16:33	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 16:33	1
Dibromofluoromethane	96		75 - 120		03/11/16 16:33	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134		03/11/16 16:33	1
Toluene-d8 (Surr)	114		75 - 122		03/11/16 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<930		930	200	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
1,2-Dichlorobenzene	<930		930	220	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
1,3-Dichlorobenzene	<930		930	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
1,4-Dichlorobenzene	<930		930	240	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,2'-oxybis[1-chloropropane]	<930		930	220	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-1(0-1)-030916

Lab Sample ID: 500-108575-9

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	420	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,4,6-Trichlorophenol	<1800		1800	640	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,4-Dichlorophenol	<1800		1800	440	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,4-Dimethylphenol	<1800		1800	710	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,4-Dinitrophenol	<3800		3800	3300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,4-Dinitrotoluene	<930		930	300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2,6-Dinitrotoluene	<930		930	370	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2-Chloronaphthalene	<930		930	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2-Chlorophenol	<930		930	320	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2-Methylnaphthalene	<180		180	34	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2-Methylphenol	<930		930	300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2-Nitroaniline	<930		930	250	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
2-Nitrophenol	<1800		1800	440	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
3 & 4 Methylphenol	<930		930	310	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
3,3'-Dichlorobenzidine	<930 *		930	260	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
3-Nitroaniline	<1800		1800	580	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4,6-Dinitro-2-methylphenol	<3800		3800	1500	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4-Bromophenyl phenyl ether	<930		930	250	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4-Chloro-3-methylphenol	<1800		1800	630	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4-Chloroaniline	<3800		3800	870	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4-Chlorophenyl phenyl ether	<930		930	220	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4-Nitroaniline	<1800		1800	780	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
4-Nitrophenol	<3800		3800	1800	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Acenaphthene	<180		180	33	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Acenaphthylene	<180		180	25	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Anthracene	<180		180	31	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Benzo[a]anthracene	150	J *	180	25	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Benzo[a]pyrene	220	*	180	36	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Benzo[b]fluoranthene	520	*	180	40	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Benzo[g,h,i]perylene	210	*	180	60	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Benzo[k]fluoranthene	<180 *		180	55	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Bis(2-chloroethoxy)methane	<930		930	190	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Bis(2-chloroethyl)ether	<930		930	280	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Bis(2-ethylhexyl) phthalate	<930 *		930	340	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Butyl benzyl phthalate	<930 *		930	350	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Carbazole	<930		930	460	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Chrysene	230	*	180	51	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Dibenz(a,h)anthracene	<180 *		180	36	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Dibenzofuran	<930		930	220	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Diethyl phthalate	<930		930	320	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Dimethyl phthalate	<930		930	240	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Di-n-butyl phthalate	<930		930	280	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Di-n-octyl phthalate	<930		930	300	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Fluoranthene	250		180	34	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Fluorene	<180		180	26	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Hexachlorobenzene	<380		380	43	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Hexachlorobutadiene	<930		930	290	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Hexachlorocyclopentadiene	<3800		3800	1100	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Hexachloroethane	<930		930	280	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-1(0-1)-030916

Lab Sample ID: 500-108575-9

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.6

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	120	J *	180	48	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Isophorone	<930		930	210	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Naphthalene	<180		180	29	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Nitrobenzene	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
N-Nitrosodi-n-propylamine	<380		380	230	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
N-Nitrosodiphenylamine	<930		930	220	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Pentachlorophenol	<3800		3800	3000	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Phenanthrene	110	J	180	26	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Phenol	<930		930	410	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Pyrene	570	*	180	37	ug/Kg	☼	03/11/16 13:22	03/19/16 01:16	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				03/11/16 13:22	03/19/16 01:16	5
2-Fluorobiphenyl	102		25 - 119				03/11/16 13:22	03/19/16 01:16	5
2-Fluorophenol	101		25 - 110				03/11/16 13:22	03/19/16 01:16	5
Nitrobenzene-d5	84		25 - 115				03/11/16 13:22	03/19/16 01:16	5
Phenol-d5	111	X	31 - 110				03/11/16 13:22	03/19/16 01:16	5
Terphenyl-d14	222	X *	36 - 134				03/11/16 13:22	03/19/16 01:16	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		03/17/16 15:03	03/18/16 18:47	1
Barium	0.26	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 18:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 18:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 18:47	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:47	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:47	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:47	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 18:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 18:47	1
Manganese	1.1		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:47	1
Nickel	0.012	J	0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:47	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 18:47	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 18:47	1
Zinc	0.42	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 18:47	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		03/18/16 08:38	03/19/16 02:15	1
Barium	<0.50		0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:15	1
Copper	0.012	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:15	1
Iron	2.5		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:15	1
Lead	0.023		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:15	1
Manganese	0.071		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:15	1
Nickel	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R20-1(0-1)-030916

Lab Sample ID: 500-108575-9

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.6

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		03/18/16 08:38	03/19/16 02:15	1
Zinc	0.10	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.0	0.22	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Arsenic	1.2		0.52	0.24	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Barium	35		0.52	0.096	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Beryllium	0.17	J	0.21	0.045	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Cadmium	0.19		0.10	0.030	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Calcium	140000	B	100	34	mg/Kg	☼	03/12/16 13:21	03/17/16 08:12	10
Chromium	18	B	0.52	0.090	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Cobalt	2.0		0.26	0.059	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Copper	15		0.52	0.11	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Iron	6900	B	10	4.0	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Lead	36		0.26	0.13	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Magnesium	85000	B	52	21	mg/Kg	☼	03/12/16 13:21	03/17/16 08:12	10
Manganese	290		0.52	0.10	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Nickel	8.4	B	0.52	0.14	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Potassium	530		26	4.3	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Sodium	1200		52	6.9	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Vanadium	8.3		0.26	0.077	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	1
Zinc	110		1.0	0.33	mg/Kg	☼	03/12/16 13:21	03/15/16 14:37	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		03/17/16 16:30	03/18/16 14:53	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		03/18/16 17:45	03/19/16 12:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.8	J	16	8.5	ug/Kg	☼	03/16/16 15:00	03/17/16 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.11		0.200	0.200	SU			03/11/16 16:58	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
WESTON SOLUTIONS		02056.014.039.0038		7	7	7	7	7				
Project Name 100T039-IL RTE 102		Project Location/State WILMINGTON, IL		Lab Project #		Sampler A. Simpson		Lab PM				
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix					Comments	
			Date	Time								
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X	
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X	
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X	
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X	
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X	
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X	
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X	
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X	
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X	
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X	

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>A. S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WL - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
Project Location/State		Lab PM		S		S		S		S		
WILMINGTON, IL		D. WRIGHT		S		S		S		S		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOCs	Total Metals	TECP/SPLP Metals	PH	Comments
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

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

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

Relinquished By: <u>A. Sun</u>	Company: <u>WESTON</u>	Date: <u>03/09/16</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPT</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments: _____

Lab Comments: _____



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19720 to 19830 IL 102 (ISGS Site No. 2946-21)

City: Wesley Township 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: 41.242707481 Longitude: -88.085486961
(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

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.242707481 Longitude: -88.085486961

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 R21-1 AND R21-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-21. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108575-1.
ALSO SEE FIGURE 4-8 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R21-1(0-1)-030916	R21-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	R21-1	R21-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-21	2946-21	
Parameter			
Laboratory pH (s.u.)	8.1	7.95	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
Acenaphthylene	ND	5.6 J	---
Anthracene	ND	13 J	1.20E+07
Benzo(a)anthracene	31 J	70 J	900 / 1100 / 1800
Benzo(a)pyrene	43 J	80 J	90 / 1300 / 2100
Benzo(b)fluoranthene	89 J	120 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	33 J	42 J	---
Benzo(k)fluoranthene	ND	55 J	9000
Butyl benzyl phthalate	ND	71 J	930000
Chrysene	39 J	80 J	88000
Fluoranthene	42	96	3100000
Indeno(1,2,3-cd)pyrene	12 J	39 J	900 / 900 / 1600
Phenanthrene	15 J	69	---
Pyrene	99 J	200 J	2300000
Total Metals (mg/kg)			
Arsenic, Total	6	3.6	11.3 / 13
Barium, Total	74	39	1500
Beryllium, Total	0.59	0.33	22
Cadmium, Total	0.067 J	0.093 J	5.2
Calcium, Total	18000 B	120000	---
Chromium, Total	15 B	15 B	21
Cobalt, Total	9	4.7	20
Copper, Total	14	9.9	2900
Iron, Total	8000 J-	9900 J-	15000 / 15900
Lead, Total	30	120	107
Magnesium, Total	12000 B	47000 B	325000
Manganese, Total	460	370	630 / 636
Mercury, Total	0.025	0.033	0.89
Nickel, Total	19 B	11 B	100
Potassium, Total	1100	780	---
Selenium, Total	1.1	0.41 J	1.3
Sodium, Total	2900	680	---
Vanadium, Total	21	12	550
Zinc, Total	61	54	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.35 J	0.34 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.9	0.34	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	ND	0.1
Selenium, TCLP	ND	ND	0.05
Zinc, TCLP	ND	ND	5

Summary Table of ISGS Site No. 2946-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R21-1(0-1)-030916	R21-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	R21-1	R21-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-21	2946-21	
Parameter			
SPLP Metals (mg/l)			
Arsenic, SPLP	0.042 J	0.017 J	0.05
Barium, SPLP	0.76 J-	0.34 J	2
Beryllium, SPLP	0.0063	ND	0.004
Cadmium, SPLP	0.0026 J	0.0021 J	0.005
Chromium, SPLP	0.18	0.088	0.1
Cobalt, SPLP	0.046	0.015 J	1
Copper, SPLP	0.14	0.063	0.65
Iron, SPLP	190 J-	79 J-	5
Lead, SPLP	0.18 J-	0.14 J-	0.0075
Manganese, SPLP	1.8 J-	0.66 J-	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.16	0.059	0.1
Selenium, SPLP	ND	ND	0.05
Zinc, SPLP	0.79 J-	0.35 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-2(0-1)-030916

Lab Sample ID: 500-108575-13

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 18:14	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 18:14	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		03/11/16 18:14	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 18:14	1
Bromomethane	<5.9 *		5.9	2.2	ug/Kg	☼		03/11/16 18:14	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/11/16 18:14	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 18:14	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 18:14	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/11/16 18:14	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/11/16 18:14	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 18:14	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 18:14	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 18:14	1
Dibromochloromethane	<5.9		5.9	0.68	ug/Kg	☼		03/11/16 18:14	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 18:14	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/11/16 18:14	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/11/16 18:14	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 18:14	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/11/16 18:14	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 18:14	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/11/16 18:14	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		03/11/16 18:14	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/11/16 18:14	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 18:14	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 18:14	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 18:14	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		03/11/16 18:14	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 18:14	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		03/11/16 18:14	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 18:14	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/11/16 18:14	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 18:14	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/11/16 18:14	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/11/16 18:14	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 18:14	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/11/16 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 18:14	1
Dibromofluoromethane	98		75 - 120		03/11/16 18:14	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 18:14	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 18:14	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	☼	03/11/16 13:22	03/19/16 03:11	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-2(0-1)-030916

Lab Sample ID: 500-108575-13

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Acenaphthylene	5.6 J		37	4.9	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Anthracene	13 J		37	6.3	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Benzo[a]anthracene	70 *		37	5.1	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Benzo[a]pyrene	80 *		37	7.3	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Benzo[b]fluoranthene	120 *		37	8.1	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Benzo[g,h,i]perylene	42 *		37	12	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Benzo[k]fluoranthene	55 *		37	11	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Bis(2-ethylhexyl) phthalate	150 J B *		190	69	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Butyl benzyl phthalate	71 J *		190	71	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Carbazole	<190		190	94	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Chrysene	80 *		37	10	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Fluoranthene	96		37	7.0	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-2(0-1)-030916

Lab Sample ID: 500-108575-13

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.2

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	39	*	37	9.7	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Phenanthrene	69		37	5.2	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Pyrene	200	*	37	7.5	ug/Kg	☼	03/11/16 13:22	03/19/16 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 137				03/11/16 13:22	03/19/16 03:11	1
2-Fluorobiphenyl	89		25 - 119				03/11/16 13:22	03/19/16 03:11	1
2-Fluorophenol	93		25 - 110				03/11/16 13:22	03/19/16 03:11	1
Nitrobenzene-d5	77		25 - 115				03/11/16 13:22	03/19/16 03:11	1
Phenol-d5	92		31 - 110				03/11/16 13:22	03/19/16 03:11	1
Terphenyl-d14	191	X*	36 - 134				03/11/16 13:22	03/19/16 03:11	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		03/17/16 15:03	03/18/16 19:21	1
Barium	0.34	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:21	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:21	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:21	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:21	1
Manganese	0.34		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:21	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:21	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:21	1
Zinc	0.053	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 02:31	1
Barium	0.34	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:31	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:31	1
Chromium	0.088		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:31	1
Cobalt	0.015	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:31	1
Copper	0.063		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:31	1
Iron	79		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:31	1
Lead	0.14		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:31	1
Manganese	0.66		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:31	1
Nickel	0.059		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-2(0-1)-030916

Lab Sample ID: 500-108575-13

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.2

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		03/18/16 08:38	03/19/16 02:31	1
Zinc	0.35	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Arsenic	3.6		0.53	0.25	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Barium	39		0.53	0.098	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Beryllium	0.33		0.21	0.046	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Cadmium	0.093	J	0.11	0.031	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Calcium	120000		110	34	mg/Kg	☼	03/15/16 09:25	03/17/16 20:11	10
Chromium	15	B	2.7	0.092	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Cobalt	4.7		0.27	0.060	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Copper	9.9		0.53	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Iron	9900		11	4.3	mg/Kg	☼	03/18/16 15:58	03/19/16 22:49	1
Lead	120		0.27	0.13	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Magnesium	47000	B	5.3	2.2	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Manganese	370		0.53	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Nickel	11	B	0.53	0.14	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Potassium	780		27	4.4	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Selenium	0.41	J	0.53	0.26	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Sodium	680		53	7.0	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Vanadium	12		0.27	0.078	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	1
Zinc	54		1.1	0.34	mg/Kg	☼	03/15/16 09:25	03/17/16 06:14	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		03/17/16 16:30	03/18/16 15:01	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		03/18/16 17:45	03/19/16 13:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.95		0.200	0.200	SU			03/11/16 17:31	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-1(0-1)-030916

Lab Sample ID: 500-108575-14

Date Collected: 03/09/16 10:35

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 18:39	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 18:39	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 18:39	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 18:39	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/11/16 18:39	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 18:39	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 18:39	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 18:39	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 18:39	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 18:39	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 18:39	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 18:39	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 18:39	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/11/16 18:39	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 18:39	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 18:39	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 18:39	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 18:39	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 18:39	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 18:39	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 18:39	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 18:39	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 18:39	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 18:39	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 18:39	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 18:39	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/11/16 18:39	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 18:39	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 18:39	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 18:39	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 18:39	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 18:39	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 18:39	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 18:39	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 18:39	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 18:39	1
Dibromofluoromethane	95		75 - 120		03/11/16 18:39	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134		03/11/16 18:39	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-1(0-1)-030916

Lab Sample ID: 500-108575-14

Date Collected: 03/09/16 10:35

Matrix: Solid

Date Received: 03/09/16 16:45

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	<360		360	83	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Anthracene	<36		36	6.1	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Benzo[a]anthracene	31	J *	36	4.9	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Benzo[a]pyrene	43	*	36	7.0	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Benzo[b]fluoranthene	89	*	36	7.8	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Benzo[g,h,i]perylene	33	J *	36	12	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Benzo[k]fluoranthene	<36 *		36	11	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Bis(2-ethylhexyl) phthalate	<180 *		180	66	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Carbazole	<180		180	90	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Chrysene	39	*	36	9.9	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Fluoranthene	42		36	6.7	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-1(0-1)-030916

Lab Sample ID: 500-108575-14

Date Collected: 03/09/16 10:35

Matrix: Solid

Date Received: 03/09/16 16:45

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	12	J *	36	9.4	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Phenanthrene	15	J	36	5.0	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Phenol	<180		180	80	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Pyrene	99	*	36	7.2	ug/Kg	☼	03/11/16 13:22	03/19/16 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 137				03/11/16 13:22	03/19/16 03:40	1
2-Fluorobiphenyl	88		25 - 119				03/11/16 13:22	03/19/16 03:40	1
2-Fluorophenol	93		25 - 110				03/11/16 13:22	03/19/16 03:40	1
Nitrobenzene-d5	77		25 - 115				03/11/16 13:22	03/19/16 03:40	1
Phenol-d5	93		31 - 110				03/11/16 13:22	03/19/16 03:40	1
Terphenyl-d14	208	X *	36 - 134				03/11/16 13:22	03/19/16 03:40	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		03/17/16 15:03	03/18/16 19:27	1
Barium	0.35	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:27	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:27	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:27	1
Manganese	0.90		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:27	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:27	1
Zinc	0.023	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.042	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 02:35	1
Barium	0.76		0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:35	1
Beryllium	0.0063		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:35	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:35	1
Chromium	0.18		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:35	1
Cobalt	0.046		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:35	1
Copper	0.14		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:35	1
Iron	190		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:35	1
Lead	0.18		0.038	0.038	mg/L		03/18/16 08:38	03/21/16 12:23	5
Manganese	1.8		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:35	1
Nickel	0.16		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R21-1(0-1)-030916

Lab Sample ID: 500-108575-14

Date Collected: 03/09/16 10:35

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.7

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		03/18/16 08:38	03/19/16 02:35	1
Zinc	0.79		0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Arsenic	6.0		0.55	0.25	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Barium	74		0.55	0.10	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Beryllium	0.59		0.22	0.047	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Cadmium	0.067	J	0.11	0.032	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Calcium	18000	B	11	3.5	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Chromium	15	B	2.7	0.094	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Cobalt	9.0		0.27	0.062	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Copper	14		0.55	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Iron	8000		11	4.3	mg/Kg	☼	03/18/16 15:58	03/19/16 22:54	1
Lead	30		0.27	0.14	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Magnesium	12000	B	5.5	2.2	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Manganese	460		0.55	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Nickel	19	B	0.55	0.15	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Potassium	1100		27	4.5	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Selenium	1.1		0.55	0.27	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Sodium	2900		55	7.2	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Vanadium	21		0.27	0.080	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	1
Zinc	61		1.1	0.35	mg/Kg	☼	03/15/16 09:25	03/17/16 06:19	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		03/17/16 16:30	03/18/16 15:02	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		03/18/16 17:45	03/19/16 16:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		19	10	ug/Kg	☼	03/16/16 15:00	03/17/16 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.10		0.200	0.200	SU			03/11/16 17:37	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter					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	
WESTON SOLUTIONS		02056.014.039.0038		7	7	7	7	7				
Project Name		Lab Project #		Parameter								
100T039-IL RTE 102												
Project Location/State		Lab Project #		Parameter								
WILMINGTON, IL												
Sampler		Lab PM		Parameter								
A. Simpson												
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TELP (SPLP) Metals	PH	Comments
			Date	Time								
1		AUG-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X	
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X	
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X	
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X	
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X	
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X	
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X	
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X	
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X	
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other
 Requested Due Date _____

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

Relinquished By <u>A. S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
100T 059-1L RTE 102												
Project Location/State		Lab PM										
WILMINGTON, IL		D. WRIGHT										
Sampler		Alistair Simpson										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix						
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 2 wks Other
 Requested Due Date: 3/21/16
 Sample Disposal: Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>A. Simpson</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: <u></u>
Relinquished By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Received By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Hand Delivered: <u></u>

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:
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------	---------------



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19000 block of IL 102 (ISGS Site No. 2946-22)

City: Wesley Township 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: 41.24369777 Longitude: -88.087229166
(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.243697777 Longitude: -88.087229166

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 VL22-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2946-22. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108575-1.
ALSO SEE FIGURE 4-8 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 of
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-22
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	VL22-1(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	
Location ID	VL22-1	
Depth	0 - 1	
ISGS Site No.	2946-22	
Parameter		
Laboratory pH (s.u.)	8.19	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
Anthracene	6.4 J	1.20E+07
Benzo(a)anthracene	47 *	900 / 1100 / 1800
Benzo(a)pyrene	74 *	90 / 1300 / 2100
Benzo(b)fluoranthene	96 *	900 / 1500 / 2100
Benzo(g,h,i)perylene	40 *	---
Benzo(k)fluoranthene	31 J	9000
Butyl benzyl phthalate	85 J	930000
Chrysene	63 *	88000
Fluoranthene	54	3100000
Indeno(1,2,3-cd)pyrene	14 J	900 / 900 / 1600
Phenanthrene	19 J	---
Pyrene	130 *	2300000
Total Metals (mg/kg)		
Arsenic, Total	2	11.3 / 13
Barium, Total	22	1500
Beryllium, Total	0.21	22
Cadmium, Total	0.097 J	5.2
Calcium, Total	120000	---
Chromium, Total	12 B	21
Cobalt, Total	2.8	20
Copper, Total	7.5	2900
Iron, Total	5700 J-	15000 / 15900
Lead, Total	53	107
Magnesium, Total	69000	325000
Manganese, Total	250	630 / 636
Mercury, Total	0.012 J	0.89
Nickel, Total	6.8 B	100
Potassium, Total	480	---
Sodium, Total	1100	---
Vanadium, Total	8.4	550
Zinc, Total	41	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.25 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	1.5	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.01 J	0.05
Barium, SPLP	0.24 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	0.0022 J	0.005
Chromium, SPLP	0.068	0.1
Cobalt, SPLP	0.013 J	1
Copper, SPLP	0.056	0.65
Iron, SPLP	56 J-	5
Lead, SPLP	0.15 J-	0.0075
Manganese, SPLP	0.71 J-	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.043	0.1
Zinc, SPLP	0.35 J	5

Summary Table of ISGS Site No. 2946-22
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, 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.


* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
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- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL22-1(0-1)-030916

Lab Sample ID: 500-108575-15

Date Collected: 03/09/16 10:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 19:04	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 19:04	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 19:04	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/11/16 19:04	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 19:04	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 19:04	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 19:04	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 19:04	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 19:04	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 19:04	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		03/11/16 19:04	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 19:04	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 19:04	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 19:04	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 19:04	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 19:04	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 19:04	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 19:04	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 19:04	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 19:04	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 19:04	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		03/11/16 19:04	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 19:04	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 19:04	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 19:04	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 19:04	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 19:04	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 19:04	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 19:04	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 19:04	1
Dibromofluoromethane	98		75 - 120		03/11/16 19:04	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134		03/11/16 19:04	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 19:04	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	☼	03/11/16 13:22	03/19/16 04:08	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL22-1(0-1)-030916

Lab Sample ID: 500-108575-15

Date Collected: 03/09/16 10:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Anthracene	6.4 J		37	6.3	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Benzo[a]anthracene	47 *		37	5.1	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Benzo[a]pyrene	74 *		37	7.3	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Benzo[b]fluoranthene	96 *		37	8.1	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Benzo[g,h,i]perylene	40 *		37	12	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Benzo[k]fluoranthene	31 J *		37	11	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Bis(2-ethylhexyl) phthalate	220 B *		190	69	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Butyl benzyl phthalate	85 J *		190	72	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Carbazole	<190		190	94	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Chrysene	63 *		37	10	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Fluoranthene	54		37	7.0	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL22-1(0-1)-030916

Lab Sample ID: 500-108575-15

Date Collected: 03/09/16 10:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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	14	J *	37	9.8	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Phenanthrene	19	J	37	5.2	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Phenol	<190		190	84	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Pyrene	130	*	37	7.5	ug/Kg	☼	03/11/16 13:22	03/19/16 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		35 - 137				03/11/16 13:22	03/19/16 04:08	1
2-Fluorobiphenyl	95		25 - 119				03/11/16 13:22	03/19/16 04:08	1
2-Fluorophenol	97		25 - 110				03/11/16 13:22	03/19/16 04:08	1
Nitrobenzene-d5	80		25 - 115				03/11/16 13:22	03/19/16 04:08	1
Phenol-d5	100		31 - 110				03/11/16 13:22	03/19/16 04:08	1
Terphenyl-d14	221	X *	36 - 134				03/11/16 13:22	03/19/16 04:08	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		03/17/16 15:03	03/18/16 19:32	1
Barium	0.25	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:32	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:32	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:32	1
Manganese	1.5		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:32	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:32	1
Zinc	0.088	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 02:40	1
Barium	0.24	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:40	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:40	1
Chromium	0.068		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:40	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:40	1
Copper	0.056		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:40	1
Iron	56		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:40	1
Lead	0.15		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:40	1
Manganese	0.71		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:40	1
Nickel	0.043		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: VL22-1(0-1)-030916

Lab Sample ID: 500-108575-15

Date Collected: 03/09/16 10:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.2

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		03/18/16 08:38	03/19/16 02:40	1
Zinc	0.35	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.98		0.98	0.20	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Arsenic	2.0		0.49	0.23	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Barium	22		0.49	0.090	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Beryllium	0.21		0.20	0.042	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Cadmium	0.097	J	0.098	0.028	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Calcium	120000		98	32	mg/Kg	☼	03/15/16 09:25	03/17/16 20:15	10
Chromium	12	B	2.4	0.084	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Cobalt	2.8		0.24	0.055	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Copper	7.5		0.49	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Iron	5700		11	4.2	mg/Kg	☼	03/18/16 15:58	03/19/16 22:59	1
Lead	53		0.24	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Magnesium	69000		49	20	mg/Kg	☼	03/15/16 09:25	03/17/16 20:15	10
Manganese	250		0.49	0.097	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Nickel	6.8	B	0.49	0.13	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Potassium	480		24	4.0	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Selenium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Silver	<0.24		0.24	0.057	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Sodium	1100		49	6.5	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Vanadium	8.4		0.24	0.072	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	1
Zinc	41		0.98	0.31	mg/Kg	☼	03/15/16 09:25	03/17/16 06:24	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		03/17/16 16:30	03/18/16 15:08	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		03/18/16 17:45	03/19/16 13:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	18	9.6	ug/Kg	☼	03/16/16 15:00	03/17/16 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19		0.200	0.200	SU			03/11/16 17:44	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
WESTON SOLUTIONS		02056.014.039.0038		7	7	7	7	7	Comments		
Project Name 100T039-IL RTE 102		Project Location/State WILMINGTON, IL		Lab Project #		Sampler A. Simpson		Lab PM			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TELP (SPLP) Metals	PH
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other
 Requested Due Date _____

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

Relinquished By <u>A. S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
Project Location/State		Lab PM		S		S		S		S		
WILMINGTON, IL		D. WRIGHT		S		S		S		S		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOCs	Total Metals	TECP/SPLP Metals	PH	Comments
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 2 wks Other
 Requested Due Date: 3/21/16

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

Relinquished By: <u>A. Sun</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: <u></u>
Relinquished By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Received By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Hand Delivered: <u></u>

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments:

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19951 IL 102 (ISGS Site No. 2946-23)

City: Wesley Township 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: 41.243371437 Longitude: -88.086826042
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.243371437 Longitude: -88.086826042

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 R23-1, R23-2, R23-4, AND R23-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-23. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108572-1.
ALSO SEE FIGURE 4-8 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R23-1(0-1)-030916	R23-2(0-1)-030916	R23-4(0-1)-030916	R23-5(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	R23-1	R23-2	R23-4	R23-5	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-23	2946-23	2946-23	2946-23	
Parameter					
Laboratory pH (s.u.)	7.79	8.28	8.49	8.32	<6.25,>9.0
VOCs (ug/kg)	None Detected				
SVOCs (ug/kg)					
Acenaphthene	ND	ND	ND	120	570000
Acenaphthylene	ND	6.1 J	ND	22 J	---
Anthracene	ND	8.3 J	ND	240	1.20E+07
Benzo(a)anthracene	32 J	52 J	33 J	660 J	900 / 1100 / 1800
Benzo(a)pyrene	49 J	60 J	54 J	580 J	90 / 1300 / 2100
Benzo(b)fluoranthene	77 J	84 J	70 J	920 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	55 J	68 J	50 J	450 J	---
Benzo(k)fluoranthene	22 J	48 J	35 J	340 J	9000
Chrysene	57 J	53 J	51 J	650 J	88000
Fluoranthene	53 J	47 J	44	1300	3100000
Fluorene	ND	ND	ND	98	560000
Indeno(1,2,3-cd)pyrene	32 J	ND	30 J	370 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	6 J	1800
Phenanthrene	34 J	28 J	17 J	1600	---
Pyrene	120 J	120 J	120 J	2900 *	2300000
Total Metals (mg/kg)					
Antimony, Total	0.25 J	ND	ND	ND	5
Arsenic, Total	1.3	3.6	2.3	2.8	11.3 / 13
Barium, Total	18	34	19	31	1500
Beryllium, Total	0.13 J	0.25	0.2	0.2	22
Cadmium, Total	0.03 J	0.051 J	0.061 J	0.053 J	5.2
Calcium, Total	140000 B	45000 B	90000 B	92000 B	---
Chromium, Total	ND	ND	ND	10 B	21
Cobalt, Total	2	4.1	2.4	3.2	20
Copper, Total	5.5	8.4	5.4	7.3	2900
Iron, Total	3800 B	7500 B	5700 B	8100 B	15000 / 15900
Lead, Total	20	31	20	29	107
Magnesium, Total	81000 B	23000 B	44000 B	40000 B	325000
Manganese, Total	180	240	230	270	630 / 636
Mercury, Total	0.013 J	0.036	0.015 J	0.011 J	0.89
Nickel, Total	5.5 B	8.8 B	7.6 B	11 B	100
Potassium, Total	390	610	460	510	---
Selenium, Total	ND	ND	0.25 J	0.3 J	1.3
Sodium, Total	710	1000 B	760 B	800 B	---
Vanadium, Total	7	11	6.3	8.8	550
Zinc, Total	30	41 B	31 B	37 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.2 J	0.27 J	0.19 J	0.26 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.5	1.2	0.83	0.88	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.17 J	0.44 J	0.67	0.12 J	5

Summary Table of ISGS Site No. 2946-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R23-1(0-1)-030916	R23-2(0-1)-030916	R23-4(0-1)-030916	R23-5(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	R23-1	R23-2	R23-4	R23-5	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-23	2946-23	2946-23	2946-23	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.012 J	0.028 J	ND	0.017 J	0.05
Barium, SPLP	0.17 J	0.44 J	0.21 J	0.3 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.045	0.11	0.05	0.072	0.1
Cobalt, SPLP	ND	0.024 J	0.011 J	0.016 J	1
Copper, SPLP	0.035	0.085	0.035	0.051	0.65
Iron, SPLP	41 J+	110 J+	45 J+	69 J+	5
Lead, SPLP	0.056	0.11	0.09	0.12	0.0075
Manganese, SPLP	0.43	0.84	0.68	0.81	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.033	0.088	0.033	0.053	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.95 J+	0.76 J+	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.

* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108572-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 1:27:13 PM

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

LINKS

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

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

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

- 1
- 2
- 3
- 4
- 5
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- 11
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- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-1(0-1)-030916

Lab Sample ID: 500-108572-15

Date Collected: 03/09/16 11:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 05:17	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 05:17	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		03/11/16 05:17	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 05:17	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 05:17	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 05:17	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 05:17	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 05:17	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 05:17	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 05:17	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		03/11/16 05:17	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 05:17	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 05:17	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 05:17	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 05:17	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 05:17	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 05:17	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 05:17	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 05:17	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 05:17	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 05:17	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 05:17	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 05:17	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 05:17	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 05:17	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 05:17	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 05:17	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 05:17	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 05:17	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 122		03/11/16 05:17	1
Dibromofluoromethane	100		75 - 120		03/11/16 05:17	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		03/11/16 05:17	1
Toluene-d8 (Surr)	114		75 - 122		03/11/16 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-1(0-1)-030916

Lab Sample ID: 500-108572-15

Date Collected: 03/09/16 11:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4,6-Dinitro-2-methylphenol	<740 *		740	290	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4-Bromophenyl phenyl ether	<180 *		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Anthracene	<36 *		36	6.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Benzo[a]anthracene	32 *		36	4.9	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Benzo[a]pyrene	49 *		36	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Benzo[b]fluoranthene	77 *		36	7.9	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Benzo[g,h,i]perylene	55 *		36	12	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Benzo[k]fluoranthene	22 *		36	11	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Bis(2-ethylhexyl) phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Carbazole	<180 *		180	91	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Chrysene	57 *		36	10	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Dibenz(a,h)anthracene	<36 *		36	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Di-n-butyl phthalate	<180 *		180	56	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Di-n-octyl phthalate	<180 *		180	60	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Fluoranthene	53 *		36	6.8	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Hexachlorobenzene	<74 *		74	8.5	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Hexachloroethane	<180		180	56	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-1(0-1)-030916

Lab Sample ID: 500-108572-15

Date Collected: 03/09/16 11:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	32	J *	36	9.5	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
N-Nitrosodiphenylamine	<180	*	180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Pentachlorophenol	<740	*	740	590	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Phenanthrene	34	J *	36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Pyrene	120	*	36	7.3	ug/Kg	☼	03/11/16 07:06	03/16/16 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		35 - 137				03/11/16 07:06	03/16/16 03:58	1
2-Fluorobiphenyl	98		25 - 119				03/11/16 07:06	03/16/16 03:58	1
2-Fluorophenol	89		25 - 110				03/11/16 07:06	03/16/16 03:58	1
Nitrobenzene-d5	81		25 - 115				03/11/16 07:06	03/16/16 03:58	1
Phenol-d5	86		31 - 110				03/11/16 07:06	03/16/16 03:58	1
Terphenyl-d14	145	X *	36 - 134				03/11/16 07:06	03/16/16 03:58	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Barium	0.20	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:36	1
Manganese	1.5		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:36	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:36	1
Zinc	0.17	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 08:11	1
Barium	0.17	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:11	1
Chromium	0.045		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:11	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:11	1
Copper	0.035		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:11	1
Iron	41		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:13	1
Lead	0.056		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 08:11	1
Manganese	0.43		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:11	1
Nickel	0.033		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-1(0-1)-030916

Lab Sample ID: 500-108572-15

Date Collected: 03/09/16 11:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.2

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		03/16/16 15:01	03/18/16 08:11	1
Zinc	0.60	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	0.91	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Arsenic	1.3		0.46	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Barium	18		0.46	0.083	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Beryllium	0.13	J	0.18	0.039	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Cadmium	0.030	J	0.091	0.026	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Calcium	140000	B	91	29	mg/Kg	☼	03/15/16 09:35	03/16/16 22:15	10
Chromium	7.3	B	2.3	0.078	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Cobalt	2.0		0.23	0.051	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Copper	5.5		0.46	0.099	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Iron	3800	B	9.1	3.5	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Lead	20		0.23	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Magnesium	81000	B	46	18	mg/Kg	☼	03/15/16 09:35	03/16/16 22:15	10
Manganese	180		0.46	0.090	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Nickel	5.5	B	0.46	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Potassium	390		23	3.7	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Selenium	<0.46		0.46	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Silver	<0.23		0.23	0.053	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Sodium	710		46	6.0	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Thallium	<0.46		0.46	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 20:22	1
Vanadium	7.0		0.23	0.067	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	1
Zinc	30		0.91	0.29	mg/Kg	☼	03/15/16 09:35	03/16/16 04:13	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		03/16/16 16:00	03/17/16 17:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/17/16 16:30	03/18/16 13:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	8.8	ug/Kg	☼	03/16/16 15:00	03/17/16 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.79		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-2(0-1)-030916

Lab Sample ID: 500-108572-16

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 05:42	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/11/16 05:42	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Bromomethane	<5.6 *		5.6	2.1	ug/Kg	☼		03/11/16 05:42	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		03/11/16 05:42	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/11/16 05:42	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/11/16 05:42	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		03/11/16 05:42	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 05:42	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 05:42	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 05:42	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 05:42	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 05:42	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/11/16 05:42	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 05:42	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		03/11/16 05:42	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 05:42	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/11/16 05:42	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 05:42	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 05:42	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 05:42	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 05:42	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 05:42	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 05:42	1
Dibromofluoromethane	99		75 - 120		03/11/16 05:42	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		03/11/16 05:42	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 05:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-2(0-1)-030916

Lab Sample ID: 500-108572-16

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2-Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4,6-Dinitro-2-methylphenol	<740 *		740	290	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4-Bromophenyl phenyl ether	<180 *		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Acenaphthylene	6.1 J		36	4.8	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Anthracene	8.3 J *		36	6.1	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Benzo[a]anthracene	52 *		36	4.9	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Benzo[a]pyrene	60 *		36	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Benzo[b]fluoranthene	84 *		36	7.9	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Benzo[g,h,i]perylene	68 *		36	12	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Benzo[k]fluoranthene	48 *		36	11	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Bis(2-ethylhexyl) phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Carbazole	<180 *		180	91	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Chrysene	53 *		36	10	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Dibenz(a,h)anthracene	<36 *		36	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Dibenzofuran	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Di-n-butyl phthalate	<180 *		180	56	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Di-n-octyl phthalate	<180 *		180	60	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Fluoranthene	47 *		36	6.8	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Hexachlorobenzene	<74 *		74	8.5	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-2(0-1)-030916

Lab Sample ID: 500-108572-16

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.7

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	<36	*	36	9.5	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
N-Nitrosodiphenylamine	<180	*	180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Pentachlorophenol	<740	*	740	590	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Phenanthrene	28	J *	36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Pyrene	120	*	36	7.3	ug/Kg	☼	03/11/16 07:06	03/16/16 04:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		35 - 137				03/11/16 07:06	03/16/16 04:28	1
2-Fluorobiphenyl	111		25 - 119				03/11/16 07:06	03/16/16 04:28	1
2-Fluorophenol	99		25 - 110				03/11/16 07:06	03/16/16 04:28	1
Nitrobenzene-d5	89		25 - 115				03/11/16 07:06	03/16/16 04:28	1
Phenol-d5	96		31 - 110				03/11/16 07:06	03/16/16 04:28	1
Terphenyl-d14	152	X *	36 - 134				03/11/16 07:06	03/16/16 04:28	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		03/16/16 14:56	03/17/16 21:49	1
Barium	0.27	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:49	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:49	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:49	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:49	1
Manganese	1.2		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:49	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:49	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:49	1
Zinc	0.44	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 08:15	1
Barium	0.44	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:15	1
Chromium	0.11		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:15	1
Cobalt	0.024	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:15	1
Copper	0.085		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:15	1
Iron	110		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:17	1
Lead	0.11		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 08:15	1
Manganese	0.84		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:15	1
Nickel	0.088		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-2(0-1)-030916

Lab Sample ID: 500-108572-16

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.7

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		03/16/16 15:01	03/18/16 08:15	1
Zinc	0.95	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.94		0.94	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Arsenic	3.6		0.47	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Barium	34		0.47	0.086	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Beryllium	0.25		0.19	0.040	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Cadmium	0.051	J	0.094	0.027	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Calcium	45000	B	94	30	mg/Kg	☼	03/15/16 09:35	03/16/16 22:19	10
Chromium	9.7	B	2.3	0.080	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Cobalt	4.1		0.23	0.053	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Copper	8.4		0.47	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Iron	7500	B	9.4	3.6	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Lead	31		0.23	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Magnesium	23000	B	4.7	1.9	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Manganese	240		0.47	0.093	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Nickel	8.8	B	0.47	0.13	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Potassium	610		23	3.8	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Selenium	<0.47		0.47	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Silver	<0.23		0.23	0.055	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Sodium	1000	B	47	6.2	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	1
Vanadium	11		0.23	0.068	mg/Kg	☼	03/15/16 09:35	03/16/16 04:26	1
Zinc	41	B	0.94	0.30	mg/Kg	☼	03/15/16 09:35	03/16/16 20:27	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		03/16/16 16:00	03/17/16 17:24	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/17/16 16:30	03/18/16 13:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	36		19	9.8	ug/Kg	☼	03/16/16 15:00	03/17/16 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-4(0-1)-030916

Lab Sample ID: 500-108572-18

Date Collected: 03/09/16 11:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 06:32	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 06:32	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		03/11/16 06:32	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 06:32	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 06:32	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 06:32	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:32	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 06:32	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:32	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 06:32	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 06:32	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 06:32	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 06:32	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 06:32	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 06:32	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 06:32	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 06:32	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		03/11/16 06:32	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 06:32	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:32	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:32	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 06:32	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 06:32	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 06:32	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 06:32	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:32	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:32	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 06:32	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:32	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 06:32	1
Dibromofluoromethane	97		75 - 120		03/11/16 06:32	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134		03/11/16 06:32	1
Toluene-d8 (Surr)	113		75 - 122		03/11/16 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-4(0-1)-030916

Lab Sample ID: 500-108572-18

Date Collected: 03/09/16 11:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Anthracene	<36		36	6.1	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Benzo[a]anthracene	33	J *	36	4.9	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Benzo[a]pyrene	54	*	36	7.0	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Benzo[b]fluoranthene	70	*	36	7.8	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Benzo[g,h,i]perylene	50	*	36	12	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Benzo[k]fluoranthene	35	J *	36	11	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Bis(2-ethylhexyl) phthalate	<180 *		180	66	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Carbazole	<180		180	91	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Chrysene	51	*	36	9.9	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Fluoranthene	44		36	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-4(0-1)-030916

Lab Sample ID: 500-108572-18

Date Collected: 03/09/16 11:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.6

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	30	J *	36	9.4	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Phenanthrene	17	J	36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Phenol	<180		180	80	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Pyrene	120	*	36	7.2	ug/Kg	☼	03/11/16 07:06	03/16/16 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		35 - 137				03/11/16 07:06	03/16/16 21:31	1
2-Fluorobiphenyl	90		25 - 119				03/11/16 07:06	03/16/16 21:31	1
2-Fluorophenol	92		25 - 110				03/11/16 07:06	03/16/16 21:31	1
Nitrobenzene-d5	84		25 - 115				03/11/16 07:06	03/16/16 21:31	1
Phenol-d5	93		31 - 110				03/11/16 07:06	03/16/16 21:31	1
Terphenyl-d14	197	X *	36 - 134				03/11/16 07:06	03/16/16 21:31	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		03/16/16 14:56	03/17/16 22:00	1
Barium	0.19	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 22:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 22:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 22:00	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:00	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:00	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:00	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 22:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 22:00	1
Manganese	0.83		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:00	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 22:00	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:00	1
Zinc	0.67		0.50	0.020	mg/L		03/16/16 14:56	03/17/16 22:00	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		03/16/16 15:01	03/18/16 08:23	1
Barium	0.21	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:23	1
Chromium	0.050		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:23	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:23	1
Copper	0.035		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:23	1
Iron	45		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:35	1
Lead	0.090		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 08:23	1
Manganese	0.68		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:23	1
Nickel	0.033		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-4(0-1)-030916

Lab Sample ID: 500-108572-18

Date Collected: 03/09/16 11:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.6

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		03/16/16 15:01	03/18/16 08:23	1
Zinc	0.76	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.91		0.91	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Arsenic	2.3		0.46	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Barium	19		0.46	0.084	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Beryllium	0.20		0.18	0.040	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Cadmium	0.061	J	0.091	0.026	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Calcium	90000	B	91	29	mg/Kg	☼	03/15/16 09:35	03/16/16 22:28	10
Chromium	6.1	B	2.3	0.079	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Cobalt	2.4		0.23	0.052	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Copper	5.4		0.46	0.099	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Iron	5700	B	9.1	3.5	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Lead	20		0.23	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Magnesium	44000	B	4.6	1.9	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Manganese	230		0.46	0.090	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Nickel	7.6	B	0.46	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Potassium	460		23	3.7	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Selenium	0.25	J	0.46	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Silver	<0.23		0.23	0.053	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Sodium	760	B	46	6.0	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Thallium	<0.46		0.46	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	1
Vanadium	6.3		0.23	0.067	mg/Kg	☼	03/15/16 09:35	03/16/16 04:36	1
Zinc	31	B	0.91	0.29	mg/Kg	☼	03/15/16 09:35	03/16/16 20:37	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		03/16/16 16:00	03/17/16 17:28	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		03/17/16 16:30	03/18/16 13:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	16	8.3	ug/Kg	☼	03/16/16 15:00	03/17/16 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.49		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-5(0-1)-030916

Lab Sample ID: 500-108572-19

Date Collected: 03/09/16 11:32

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 06:58	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 06:58	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 06:58	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 06:58	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 06:58	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 06:58	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 06:58	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 06:58	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 06:58	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 06:58	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 06:58	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 06:58	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 06:58	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 06:58	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 06:58	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 06:58	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		03/11/16 06:58	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 06:58	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 06:58	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 06:58	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 06:58	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 06:58	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 06:58	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 06:58	1
Dibromofluoromethane	96		75 - 120		03/11/16 06:58	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		03/11/16 06:58	1
Toluene-d8 (Surr)	113		75 - 122		03/11/16 06:58	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	☼	03/11/16 07:06	03/18/16 14:30	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-5(0-1)-030916

Lab Sample ID: 500-108572-19

Date Collected: 03/09/16 11:32

Matrix: Solid

Date Received: 03/09/16 16:45

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	80	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2-Methylphenol	<180		180	56	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
3,3'-Dichlorobenzidine	<180 *		180	49	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Acenaphthene	120		35	6.3	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Acenaphthylene	22 J		35	4.6	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Anthracene	240		35	5.8	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Benzo[a]anthracene	660 *		35	4.7	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Benzo[a]pyrene	580 *		35	6.8	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Benzo[b]fluoranthene	920 *		35	7.5	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Benzo[g,h,i]perylene	450 *		35	11	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Benzo[k]fluoranthene	340 *		35	10	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Bis(2-ethylhexyl) phthalate	<180 *		180	64	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Butyl benzyl phthalate	<180 *		180	67	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Carbazole	<180		180	87	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Chrysene	650 *		35	9.5	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Dibenz(a,h)anthracene	<35 *		35	6.8	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Dibenzofuran	76 J		180	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Fluoranthene	1300		35	6.5	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Fluorene	98		35	4.9	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Hexachloroethane	<180		180	53	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-5(0-1)-030916

Lab Sample ID: 500-108572-19

Date Collected: 03/09/16 11:32

Matrix: Solid

Date Received: 03/09/16 16:45

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	370	*	35	9.1	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Isophorone	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Naphthalene	6.0	J	35	5.4	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Phenanthrene	1600		35	4.9	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Phenol	<180		180	78	ug/Kg	☼	03/11/16 07:06	03/18/16 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		35 - 137				03/11/16 07:06	03/18/16 14:30	1
2-Fluorobiphenyl	107		25 - 119				03/11/16 07:06	03/18/16 14:30	1
2-Fluorophenol	110		25 - 110				03/11/16 07:06	03/18/16 14:30	1
Nitrobenzene-d5	103		25 - 115				03/11/16 07:06	03/18/16 14:30	1
Phenol-d5	107		31 - 110				03/11/16 07:06	03/18/16 14:30	1
Terphenyl-d14	176	X*	36 - 134				03/11/16 07:06	03/18/16 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	2900	*	170	35	ug/Kg	☼	03/11/16 07:06	03/18/16 15:55	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		03/16/16 14:56	03/17/16 22:05	1
Barium	0.26	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 22:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 22:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 22:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:05	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:05	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 22:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 22:05	1
Manganese	0.88		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:05	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 22:05	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 22:05	1
Zinc	0.12	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Barium	0.30	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:27	1
Chromium	0.072		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Copper	0.051		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Iron	69		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:39	1
Lead	0.12		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 08:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R23-5(0-1)-030916

Lab Sample ID: 500-108572-19

Date Collected: 03/09/16 11:32

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.81		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Nickel	0.053		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:27	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:27	1
Zinc	0.54	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Arsenic	2.8		0.50	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Barium	31		0.50	0.092	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Beryllium	0.20		0.20	0.044	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Cadmium	0.053	J	0.10	0.029	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Calcium	92000	B	100	32	mg/Kg	☼	03/15/16 09:35	03/16/16 22:32	10
Chromium	10	B	2.5	0.087	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Cobalt	3.2		0.25	0.057	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Copper	7.3		0.50	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Iron	8100	B	10	3.9	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Lead	29		0.25	0.13	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Magnesium	40000	B	5.0	2.0	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Manganese	270		0.50	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Nickel	11	B	0.50	0.14	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Potassium	510		25	4.1	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Selenium	0.30	J	0.50	0.25	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Sodium	800	B	50	6.7	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	1
Vanadium	8.8		0.25	0.074	mg/Kg	☼	03/15/16 09:35	03/16/16 04:41	1
Zinc	37	B	1.0	0.32	mg/Kg	☼	03/15/16 09:35	03/16/16 20:51	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		03/16/16 16:00	03/17/16 17:30	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		03/17/16 16:30	03/18/16 13:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	9.5	ug/Kg	☼	03/16/16 15:00	03/17/16 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.32		0.200	0.200	SU			03/11/16 00:23	1

TestAmerica Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 601
Phone: 708.534.5200 Fax: 708.534.



500-108572 COC

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 201
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter										Preservative Key	
Weston																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #															
IDOT 034																	
Project Location/State		Lab PM															
Wilmington, IL		Dick Wright															
Sampler																	
A. Tuckasz																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOE	SVOC	Total Metals	TCLP/ SPLP Metals	pH						Comments
1		R30-1(0-1)-030916	3/9/16	0843	2	S	X	X	X	X	X						
2		R30-1(0-1)-030916D	3/9/16	0843	2	S	X	X	X	X	X						
3		R30-2(0-1)-030916	3/9/16	0859	2	S	X	X	X	X	X						
4		AL28-2(0-1)-030916	3/9/16	0910	2	S	X	X	X	X	X						
5		AL28-3(0-1)-030916	3/9/16	0920	2	S	X	X	X	X	X						
6		AL28-4(0-1)-030916	3/9/16	0930	2	S	X	X	X	X	X						
7		AL28-5(0-1)-030916	3/9/16	0945	2	S	X	X	X	X	X						
8		R24-1(0-1)-030916	3/9/16	0955	2	S	X	X	X	X	X						
9		R24-2(0-1)-030916	3/9/16	1005	2	S	X	X	X	X	X						
10		R24-3(0-1)-030916	3/9/16	1015	2	S	X	X	X	X	X						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company Weston	Date 3/9/16	Time 1555	Received By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1555
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CRT	Date 3/9/16	Time 1645
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier

Shipped

Hand Delivered

Matrix Key

WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babasukumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572

Chain of Custody Number: _____

Page 2 of 5

Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP /	SPLP Metals	PH						
<u>IDOT 039</u>				Date	Time														
Project Location/State		Lab PM																	
<u>Wilmington, IL</u>		<u>Dick Wright</u>																	
Sampler																			
<u>A. Tuckasz</u>																			
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP /	SPLP Metals	PH					Comments	
<u>11</u>		<u>R24-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1025</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>		<u>R24-8(0-1)-030916</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>13</u>		<u>R24-5(0-1)-030916D</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>14</u>		<u>R24-6(0-1)-030916</u>		<u>3/9/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>15</u>		<u>R23-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1105</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>16</u>		<u>R23-2(0-1)-030916</u>		<u>3/9/16</u>	<u>1110</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>17</u>		<u>R23-3(0-1)-030916</u>		<u>3/9/16</u>	<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>18</u>		<u>R23-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>19</u>		<u>R23-5(0-1)-030916</u>		<u>3/9/16</u>	<u>1132</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>20</u>		<u>KR-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1138</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By <u>Ahmed M. Tuff</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>

Lab Courier: TR
Shipped: _____
Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19841 IL 102 (ISGS Site No. 2946-24)

City: Wesley Township 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: 41.244106238 Longitude: -88.088136411
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.244106238 Longitude: -88.088136411

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 R24-1, R24-2, AND R24-4 THROUGH R24-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-24. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108572-1.
ALSO SEE FIGURE 4-8 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

Printed Name:

William F. Karlovitz

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 APRIL 2016

Date:



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

Summary Table of ISGS Site No. 2946-24
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R24-1(0-1)-030916	R24-2(0-1)-030916	R24-4(0-1)-030916	R24-5(0-1)-030916	R24-5(0-1)-030916D	R24-6(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	R24-1	R24-2	R24-4	R24-5	R24-5	R24-6	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-24	2946-24	2946-24	2946-24	2946-24	2946-24	
Parameter							
Laboratory pH (s.u.)	7.9	8.05	8.31	7.42	7.57	8.28	<6.25,>9.0
VOCs (ug/kg)	None Detected						
SVOCs (ug/kg)							
Acenaphthene	ND	ND	ND	ND	8.6 J	ND	570000
Acenaphthylene	19 J	11 J	49	17 J	19 J	ND	---
Anthracene	14 J	13 J	51 J	19 J	49 J	ND	1.20E+07
Benzo(a)anthracene	120 J	75 J	210 J	95 J	270 J	45 J	900 / 1100 / 1800
Benzo(a)pyrene	150 J	110 J	240 J	100 J	250 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	210 J	130 J	340 J	170 J	360 J	80 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	130 J	88 J	180 J	120 J	160 J	87 J	---
Benzo(k)fluoranthene	89 J	63 J	120 J	79 J	130 J	43 J	9000
Chrysene	160 J	120 J	260 J	130 J	300 J	72 J	88000
Fluoranthene	110 J	85 J	260 J	130 J	310 J	52 J	3100000
Fluorene	ND	ND	ND	ND	9 J	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	150 J	ND	130 J	ND	900 / 900 / 1600
Phenanthrene	55 J	52 J	200 J	97 J	210 J	34 J	---
Pyrene	310 J	220 J	650 J	330 J	740 J	130 J	2300000
Total Metals (mg/kg)							
Antimony, Total	0.27 J	ND	ND	ND	ND	ND	5
Arsenic, Total	2.7	4.1	4	4.1	6	2.1	11.3 / 13
Barium, Total	42	40	46	47	63	21	1500
Beryllium, Total	0.21 J	0.36	0.36	0.29	0.39	0.18	22
Cadmium, Total	0.16	0.1 J	0.12	0.12	0.088 J	0.056 J	5.2
Calcium, Total	140000 ^	120000 ^	78000 ^	68000 J	13000 J	140000 B	---
Chromium, Total	18 B	10 B	12 B	11 B	12 B	ND	21
Cobalt, Total	3.7	5.7	5.4	7	8.5	2.6	20
Copper, Total	11	9.9	13	12	12	6.2	2900
Iron, Total	7900 B	11000 B	11000 B	9500 B	13000 B	5600 B	15000 / 15900
Lead, Total	30	22	23	26	27	25	107
Magnesium, Total	81000 ^	56000 B	36000 B	28000 B	8400 B	84000 B	325000
Manganese, Total	360	390	310	480	440	260	630 / 636
Mercury, Total	0.044	0.017 J	0.047	0.016 J	0.038	0.014 J	0.89
Nickel, Total	8.8 B	12 B	12 B	12 B	15 B	6.6 B	100
Potassium, Total	630	800	750	730	900	640	---
Selenium, Total	0.27 J	ND	0.3 J	0.29 J	0.42 J	ND	1.3
Sodium, Total	1100	1600	1500	1200	1400	790	---
Vanadium, Total	9.8	13	15	13	18	7.3	550
Zinc, Total	120	50	54	62	62	34	5100

Summary Table of ISGS Site No. 2946-24
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R24-1(0-1)-030916	R24-2(0-1)-030916	R24-4(0-1)-030916	R24-5(0-1)-030916	R24-5(0-1)-030916D	R24-6(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	R24-1	R24-2	R24-4	R24-5	R24-5	R24-6	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-24	2946-24	2946-24	2946-24	2946-24	2946-24	
Parameter							
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.32 J	0.26 J	0.3 J	0.27 J	0.34 J	0.34 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.93	1.4	1.6	0.53	0.37	1.5	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.79	0.3 J	0.08 J	0.4 J	0.13 J	0.34 J	5
SPLP Metals (mg/l)							
Arsenic, SPLP	0.02 J	0.02 J	0.045 J	0.015 J	0.036 J	0.026 J	0.05
Barium, SPLP	0.37 J	0.3 J	0.44 J	0.24 J	0.47 J	0.44 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.0042	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.08	0.091	0.12	0.059 J	0.11 J	0.1	0.1
Cobalt, SPLP	0.016 J	0.017 J	0.028	0.013 J	0.027	0.026	1
Copper, SPLP	0.067	0.064	0.086	0.052	0.092	0.079	0.65
Iron, SPLP	76 J+	85 J+	140 J+	56 J	120 J	100 J+	5
Lead, SPLP	0.1	0.083	0.11	0.069 J	0.13 J	0.12	0.0075
Manganese, SPLP	0.85	0.6	0.81	0.65	1	1	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.057	0.07	0.1	0.048 J	0.1 J	0.089	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	3.3 J+	ND	0.92 J+	2.7 J+	2.7 J+	2.3 J+	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

^ - Instrument related Quality Control (QC) outside of acceptance limits.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108572-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 1:27:13 PM

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

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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-1(0-1)-030916

Lab Sample ID: 500-108572-8

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 02:21	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 02:21	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 02:21	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 02:21	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/11/16 02:21	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 02:21	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 02:21	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 02:21	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 02:21	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 02:21	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 02:21	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 02:21	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 02:21	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/11/16 02:21	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 02:21	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/11/16 02:21	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 02:21	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 02:21	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 02:21	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 02:21	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 02:21	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 02:21	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 02:21	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 02:21	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 02:21	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 02:21	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/11/16 02:21	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 02:21	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 02:21	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 02:21	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 02:21	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 02:21	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 02:21	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 02:21	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 02:21	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 02:21	1
Dibromofluoromethane	99		75 - 120		03/11/16 02:21	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/11/16 02:21	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 02:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-1(0-1)-030916

Lab Sample ID: 500-108572-8

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
2-Nitrophenol	<360		360	84	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
3,3'-Dichlorobenzidine	<180 *		180	50	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4,6-Dinitro-2-methylphenol	<720 *		720	290	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4-Bromophenyl phenyl ether	<180 *		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Acenaphthylene	19 J		36	4.7	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Anthracene	14 J *		36	6.0	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Benzo[a]anthracene	120 *		36	4.8	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Benzo[a]pyrene	150 *		36	6.9	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Benzo[b]fluoranthene	210 *		36	7.7	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Benzo[g,h,i]perylene	130 *		36	12	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Benzo[k]fluoranthene	89 *		36	11	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Bis(2-ethylhexyl) phthalate	<180 *		180	65	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Butyl benzyl phthalate	<180 *		180	68	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Carbazole	<180 *		180	89	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Chrysene	160 *		36	9.8	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Dibenz(a,h)anthracene	<36 *		36	6.9	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Di-n-butyl phthalate	<180 *		180	54	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Di-n-octyl phthalate	<180 *		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Fluoranthene	110 *		36	6.6	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Fluorene	<36		36	5.0	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Hexachlorobenzene	<72 *		72	8.3	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-1(0-1)-030916

Lab Sample ID: 500-108572-8

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

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	<36	*	36	9.3	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Naphthalene	<36		36	5.5	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
N-Nitrosodiphenylamine	<180	*	180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Pentachlorophenol	<720	*	720	570	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Phenanthrene	55	*	36	5.0	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Phenol	<180		180	79	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Pyrene	310	*	36	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				03/11/16 07:06	03/16/16 00:31	1
2-Fluorobiphenyl	105		25 - 119				03/11/16 07:06	03/16/16 00:31	1
2-Fluorophenol	95		25 - 110				03/11/16 07:06	03/16/16 00:31	1
Nitrobenzene-d5	87		25 - 115				03/11/16 07:06	03/16/16 00:31	1
Phenol-d5	95		31 - 110				03/11/16 07:06	03/16/16 00:31	1
Terphenyl-d14	183	X*	36 - 134				03/11/16 07:06	03/16/16 00:31	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		03/16/16 14:56	03/17/16 20:59	1
Barium	0.32	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 20:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 20:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 20:59	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:59	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:59	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:59	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 20:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 20:59	1
Manganese	0.93		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:59	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 20:59	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:59	1
Zinc	0.79		0.50	0.020	mg/L		03/16/16 14:56	03/17/16 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:30	1
Barium	0.37	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:30	1
Chromium	0.080		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:30	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:30	1
Copper	0.067		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:30	1
Iron	76		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:42	1
Lead	0.10		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 07:30	1
Manganese	0.85		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:30	1
Nickel	0.057		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:30	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-1(0-1)-030916

Lab Sample ID: 500-108572-8

Date Collected: 03/09/16 09:55

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

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		03/16/16 15:01	03/18/16 07:30	1
Zinc	3.3	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.1	0.23	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Arsenic	2.7		0.55	0.25	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Barium	42		0.55	0.10	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Beryllium	0.21	J	0.22	0.048	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Cadmium	0.16		0.11	0.032	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Calcium	140000	^	110	36	mg/Kg	☼	03/14/16 14:56	03/16/16 08:47	10
Chromium	18	B	2.8	0.095	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Cobalt	3.7		0.28	0.062	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Copper	11		0.55	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Iron	7900	B	11	4.3	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Lead	30		0.28	0.14	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Magnesium	81000	^	55	22	mg/Kg	☼	03/14/16 14:56	03/16/16 08:47	10
Manganese	360		0.55	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Nickel	8.8	B	0.55	0.15	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Potassium	630		28	4.5	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Selenium	0.27	J	0.55	0.27	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Sodium	1100		55	7.3	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Vanadium	9.8		0.28	0.081	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	1
Zinc	120		1.1	0.35	mg/Kg	☼	03/14/16 14:56	03/15/16 13:08	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		03/16/16 16:00	03/17/16 17:05	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		03/17/16 16:30	03/18/16 12:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	44		18	9.6	ug/Kg	☼	03/16/16 15:00	03/17/16 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.90		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-2(0-1)-030916

Lab Sample ID: 500-108572-9

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 80.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		03/11/16 02:46	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		03/11/16 02:46	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		03/11/16 02:46	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		03/11/16 02:46	1
Bromomethane	<6.2 *		6.2	2.3	ug/Kg	☼		03/11/16 02:46	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		03/11/16 02:46	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		03/11/16 02:46	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		03/11/16 02:46	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		03/11/16 02:46	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		03/11/16 02:46	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		03/11/16 02:46	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		03/11/16 02:46	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		03/11/16 02:46	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		03/11/16 02:46	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		03/11/16 02:46	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		03/11/16 02:46	1
1,1-Dichloroethene	<6.2		6.2	2.3	ug/Kg	☼		03/11/16 02:46	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		03/11/16 02:46	1
1,3-Dichloropropene, Total	<6.2		6.2	1.7	ug/Kg	☼		03/11/16 02:46	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		03/11/16 02:46	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		03/11/16 02:46	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		03/11/16 02:46	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		03/11/16 02:46	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		03/11/16 02:46	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		03/11/16 02:46	1
Styrene	<6.2		6.2	1.4	ug/Kg	☼		03/11/16 02:46	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.98	ug/Kg	☼		03/11/16 02:46	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		03/11/16 02:46	1
Toluene	<6.2		6.2	2.2	ug/Kg	☼		03/11/16 02:46	1
trans-1,2-Dichloroethene	<6.2		6.2	1.5	ug/Kg	☼		03/11/16 02:46	1
trans-1,3-Dichloropropene	<6.2		6.2	1.7	ug/Kg	☼		03/11/16 02:46	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		03/11/16 02:46	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		03/11/16 02:46	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		03/11/16 02:46	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		03/11/16 02:46	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		03/11/16 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122		03/11/16 02:46	1
Dibromofluoromethane	100		75 - 120		03/11/16 02:46	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134		03/11/16 02:46	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 02:46	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	☼	03/11/16 07:06	03/16/16 01:00	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-2(0-1)-030916

Lab Sample ID: 500-108572-9

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 80.8

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	92	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2-Methylphenol	<200		200	65	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
3,3'-Dichlorobenzidine	<200 *		200	56	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4,6-Dinitro-2-methylphenol	<810 *		810	320	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4-Bromophenyl phenyl ether	<200 *		200	53	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Acenaphthylene	11	J	40	5.3	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Anthracene	13	J *	40	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Benzo[a]anthracene	75	*	40	5.4	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Benzo[a]pyrene	110	*	40	7.8	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Benzo[b]fluoranthene	130	*	40	8.7	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Benzo[g,h,i]perylene	88	*	40	13	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Benzo[k]fluoranthene	63	*	40	12	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Bis(2-ethylhexyl) phthalate	<200 *		200	73	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Butyl benzyl phthalate	<200 *		200	76	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Carbazole	<200 *		200	100	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Chrysene	120	*	40	11	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Dibenz(a,h)anthracene	<40 *		40	7.8	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Dibenzofuran	<200		200	47	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Di-n-butyl phthalate	<200 *		200	61	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Di-n-octyl phthalate	<200 *		200	66	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Fluoranthene	85	*	40	7.5	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Fluorene	<40		40	5.7	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Hexachlorobenzene	<81 *		81	9.3	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Hexachloroethane	<200		200	61	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-2(0-1)-030916

Lab Sample ID: 500-108572-9

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 80.8

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	<40	*	40	10	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Isophorone	<200		200	45	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Naphthalene	<40		40	6.2	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Nitrobenzene	<40		40	10	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
N-Nitrosodiphenylamine	<200	*	200	47	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Pentachlorophenol	<810	*	810	650	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Phenanthrene	52	*	40	5.6	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Phenol	<200		200	89	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Pyrene	220	*	40	8.0	ug/Kg	☼	03/11/16 07:06	03/16/16 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		35 - 137				03/11/16 07:06	03/16/16 01:00	1
2-Fluorobiphenyl	102		25 - 119				03/11/16 07:06	03/16/16 01:00	1
2-Fluorophenol	92		25 - 110				03/11/16 07:06	03/16/16 01:00	1
Nitrobenzene-d5	87		25 - 115				03/11/16 07:06	03/16/16 01:00	1
Phenol-d5	90		31 - 110				03/11/16 07:06	03/16/16 01:00	1
Terphenyl-d14	172	X*	36 - 134				03/11/16 07:06	03/16/16 01:00	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		03/16/16 14:56	03/17/16 21:05	1
Barium	0.26	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:05	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:05	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:05	1
Manganese	1.4		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:05	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:05	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:05	1
Zinc	0.30	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:34	1
Barium	0.30	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:34	1
Chromium	0.091		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:34	1
Cobalt	0.017	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:34	1
Copper	0.064		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:34	1
Iron	85		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:47	1
Lead	0.083		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 07:34	1
Manganese	0.60		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:34	1
Nickel	0.070		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-2(0-1)-030916

Lab Sample ID: 500-108572-9

Date Collected: 03/09/16 10:05

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 80.8

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		03/16/16 15:01	03/18/16 07:34	1
Zinc	0.61	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Arsenic	4.1		0.60	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Barium	40		0.60	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Beryllium	0.36		0.24	0.052	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Cadmium	0.10	J	0.12	0.035	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Calcium	120000	^	120	38	mg/Kg	☼	03/14/16 14:56	03/16/16 08:51	10
Chromium	10	B	3.0	0.10	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Cobalt	5.7		0.30	0.067	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Copper	9.9		0.60	0.13	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Iron	11000	B	12	4.6	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Lead	22		0.30	0.15	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Magnesium	56000	B	6.0	2.4	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Manganese	390		0.60	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Nickel	12	B	0.60	0.16	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Potassium	800		30	4.9	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Selenium	<0.60		0.60	0.29	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Sodium	1600		60	7.9	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Vanadium	13		0.30	0.087	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	1
Zinc	50		1.2	0.38	mg/Kg	☼	03/14/16 14:56	03/15/16 13:22	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		03/16/16 16:00	03/17/16 17:06	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		03/17/16 16:30	03/19/16 16:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.05		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-4(0-1)-030916

Lab Sample ID: 500-108572-11

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 03:37	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 03:37	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		03/11/16 03:37	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:37	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/11/16 03:37	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:37	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:37	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
Chloroethane	<5.8		5.8	2.5	ug/Kg	☼		03/11/16 03:37	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 03:37	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:37	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 03:37	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/11/16 03:37	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:37	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		03/11/16 03:37	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:37	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 03:37	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 03:37	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 03:37	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 03:37	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 03:37	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:37	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		03/11/16 03:37	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 03:37	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 03:37	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 03:37	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 03:37	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 03:37	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 03:37	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 03:37	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/11/16 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 03:37	1
Dibromofluoromethane	98		75 - 120		03/11/16 03:37	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/11/16 03:37	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 03:37	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	☼	03/11/16 07:06	03/16/16 02:00	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-4(0-1)-030916

Lab Sample ID: 500-108572-11

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.6

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	☼	03/11/16 07:06	03/16/16 02:00	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4,6-Dinitro-2-methylphenol	<770 *		770	310	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4-Bromophenyl phenyl ether	<190 *		190	50	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Acenaphthylene	49		38	5.0	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Anthracene	51 *		38	6.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Benzo[a]anthracene	210 *		38	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Benzo[a]pyrene	240 *		38	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Benzo[b]fluoranthene	340 *		38	8.2	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Benzo[g,h,i]perylene	180 *		38	12	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Benzo[k]fluoranthene	120 *		38	11	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Bis(2-ethylhexyl) phthalate	<190 *		190	70	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Butyl benzyl phthalate	<190 *		190	73	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Carbazole	<190 *		190	95	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Chrysene	260 *		38	10	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Di-n-butyl phthalate	<190 *		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Di-n-octyl phthalate	<190 *		190	62	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Fluoranthene	260 *		38	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Fluorene	<38		38	5.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Hexachlorobenzene	<77 *		77	8.8	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-4(0-1)-030916

Lab Sample ID: 500-108572-11

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.6

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	150	*	38	9.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Isophorone	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Pentachlorophenol	<770	*	770	610	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Phenanthrene	200	*	38	5.3	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Phenol	<190		190	85	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Pyrene	650	*	38	7.6	ug/Kg	☼	03/11/16 07:06	03/16/16 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137				03/11/16 07:06	03/16/16 02:00	1
2-Fluorobiphenyl	108		25 - 119				03/11/16 07:06	03/16/16 02:00	1
2-Fluorophenol	97		25 - 110				03/11/16 07:06	03/16/16 02:00	1
Nitrobenzene-d5	88		25 - 115				03/11/16 07:06	03/16/16 02:00	1
Phenol-d5	96		31 - 110				03/11/16 07:06	03/16/16 02:00	1
Terphenyl-d14	164	X *	36 - 134				03/11/16 07:06	03/16/16 02:00	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		03/16/16 14:56	03/17/16 21:15	1
Barium	0.30	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:15	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:15	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:15	1
Manganese	1.6		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:15	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:15	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:15	1
Zinc	0.080	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.045	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:51	1
Barium	0.44	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:51	1
Chromium	0.12		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:51	1
Cobalt	0.028		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:51	1
Copper	0.086		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:51	1
Iron	140		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:55	1
Lead	0.11		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 07:51	1
Manganese	0.81		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:51	1
Nickel	0.10		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:51	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-4(0-1)-030916

Lab Sample ID: 500-108572-11

Date Collected: 03/09/16 10:25

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.6

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		03/16/16 15:01	03/18/16 07:51	1
Zinc	0.92	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Arsenic	4.0		0.56	0.26	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Barium	46		0.56	0.10	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Beryllium	0.36		0.22	0.049	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Cadmium	0.12		0.11	0.033	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Calcium	78000	^	110	36	mg/Kg	☼	03/14/16 14:56	03/16/16 08:56	10
Chromium	12	B	2.8	0.097	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Cobalt	5.4		0.28	0.063	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Copper	13		0.56	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Iron	11000	B	11	4.3	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Lead	23		0.28	0.14	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Magnesium	36000	B	5.6	2.3	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Manganese	310		0.56	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Nickel	12	B	0.56	0.15	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Potassium	750		28	4.6	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Selenium	0.30	J	0.56	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Sodium	1500		56	7.4	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Vanadium	15		0.28	0.082	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	1
Zinc	54		1.1	0.36	mg/Kg	☼	03/14/16 14:56	03/15/16 13:32	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		03/16/16 16:00	03/17/16 17:14	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		03/17/16 16:30	03/19/16 12:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	47		18	9.5	ug/Kg	☼	03/16/16 15:00	03/17/16 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.31		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916

Lab Sample ID: 500-108572-12

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 04:02	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 04:02	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/11/16 04:02	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:02	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/11/16 04:02	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 04:02	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:02	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 04:02	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 04:02	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:02	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 04:02	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/11/16 04:02	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:02	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/11/16 04:02	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 04:02	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 04:02	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 04:02	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 04:02	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 04:02	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 04:02	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:02	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/11/16 04:02	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:02	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 04:02	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 04:02	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 04:02	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 04:02	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 04:02	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:02	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 04:02	1
Dibromofluoromethane	98		75 - 120		03/11/16 04:02	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/11/16 04:02	1
Toluene-d8 (Surr)	114		75 - 122		03/11/16 04:02	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	☼	03/11/16 07:06	03/16/16 02:30	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916

Lab Sample ID: 500-108572-12

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4,6-Dinitro-2-methylphenol	<770 *		770	310	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4-Bromophenyl phenyl ether	<190 *		190	50	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Acenaphthylene	17 J		38	5.0	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Anthracene	19 J *		38	6.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Benzo[a]anthracene	95 *		38	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Benzo[a]pyrene	100 *		38	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Benzo[b]fluoranthene	170 *		38	8.2	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Benzo[g,h,i]perylene	120 *		38	12	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Benzo[k]fluoranthene	79 *		38	11	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Bis(2-ethylhexyl) phthalate	<190 *		190	70	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Butyl benzyl phthalate	<190 *		190	72	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Carbazole	<190 *		190	95	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Chrysene	130 *		38	10	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Di-n-butyl phthalate	<190 *		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Di-n-octyl phthalate	<190 *		190	62	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Fluoranthene	130 *		38	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Hexachlorobenzene	<77 *		77	8.8	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916

Lab Sample ID: 500-108572-12

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38	*	38	9.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Isophorone	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Pentachlorophenol	<770	*	770	610	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Phenanthrene	97	*	38	5.3	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Phenol	<190		190	85	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Pyrene	330	*	38	7.6	ug/Kg	☼	03/11/16 07:06	03/16/16 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				03/11/16 07:06	03/16/16 02:30	1
2-Fluorobiphenyl	102		25 - 119				03/11/16 07:06	03/16/16 02:30	1
2-Fluorophenol	89		25 - 110				03/11/16 07:06	03/16/16 02:30	1
Nitrobenzene-d5	81		25 - 115				03/11/16 07:06	03/16/16 02:30	1
Phenol-d5	86		31 - 110				03/11/16 07:06	03/16/16 02:30	1
Terphenyl-d14	160	X*	36 - 134				03/11/16 07:06	03/16/16 02:30	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		03/16/16 14:56	03/17/16 21:20	1
Barium	0.27	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:20	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:20	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:20	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:20	1
Manganese	0.53		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:20	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:20	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:20	1
Zinc	0.40	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:20	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		03/16/16 15:01	03/18/16 07:56	1
Barium	0.24	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:56	1
Chromium	0.059		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:56	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:56	1
Copper	0.052		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:56	1
Iron	56		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:00	1
Lead	0.069		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 07:56	1
Manganese	0.65		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:56	1
Nickel	0.048		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:56	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916

Lab Sample ID: 500-108572-12

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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		03/16/16 15:01	03/18/16 07:56	1
Zinc	2.7	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.98		0.98	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Arsenic	4.1		0.49	0.23	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Barium	47		0.49	0.090	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Beryllium	0.29		0.20	0.042	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Cadmium	0.12		0.098	0.028	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Calcium	68000	B	98	32	mg/Kg	☼	03/15/16 09:35	03/16/16 22:07	10
Chromium	11	B	2.5	0.084	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Cobalt	7.0		0.25	0.055	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Copper	12		0.49	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Iron	9500	B	9.8	3.8	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Lead	26		0.25	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Magnesium	28000	B	4.9	2.0	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Manganese	480		0.49	0.097	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Nickel	12	B	0.49	0.13	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Potassium	730		25	4.0	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Selenium	0.29	J	0.49	0.24	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Silver	<0.25		0.25	0.057	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Sodium	1200		49	6.5	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	03/15/16 09:35	03/16/16 20:06	1
Vanadium	13		0.25	0.072	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1
Zinc	62		0.98	0.31	mg/Kg	☼	03/15/16 09:35	03/16/16 03:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/16/16 16:00	03/17/16 17:16	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		03/17/16 16:30	03/18/16 12:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	19	9.9	ug/Kg	☼	03/16/16 15:00	03/17/16 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.42		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916D

Lab Sample ID: 500-108572-13

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 04:27	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 04:27	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/11/16 04:27	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:27	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/11/16 04:27	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 04:27	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:27	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:27	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 04:27	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 04:27	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:27	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:27	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 04:27	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/11/16 04:27	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:27	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/11/16 04:27	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 04:27	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 04:27	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 04:27	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:27	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 04:27	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 04:27	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 04:27	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:27	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:27	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:27	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/11/16 04:27	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 04:27	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 04:27	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 04:27	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 04:27	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 04:27	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 04:27	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 04:27	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 04:27	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 04:27	1
Dibromofluoromethane	98		75 - 120		03/11/16 04:27	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		03/11/16 04:27	1
Toluene-d8 (Surr)	113		75 - 122		03/11/16 04:27	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	☼	03/11/16 07:06	03/16/16 02:59	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916D

Lab Sample ID: 500-108572-13

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.1

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	88	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2-Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
3,3'-Dichlorobenzidine	<190 *		190	54	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4,6-Dinitro-2-methylphenol	<770 *		770	310	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4-Bromophenyl phenyl ether	<190 *		190	51	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Acenaphthene	8.6 J		38	6.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Acenaphthylene	19 J		38	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Anthracene	49 *		38	6.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Benzo[a]anthracene	270 *		38	5.2	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Benzo[a]pyrene	250 *		38	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Benzo[b]fluoranthene	360 *		38	8.3	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Benzo[g,h,i]perylene	160 *		38	12	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Benzo[k]fluoranthene	130 *		38	11	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Bis(2-ethylhexyl) phthalate	<190 *		190	70	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Butyl benzyl phthalate	<190 *		190	73	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Carbazole	<190 *		190	96	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Chrysene	300 *		38	10	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Dibenzofuran	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Di-n-butyl phthalate	<190 *		190	59	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Di-n-octyl phthalate	<190 *		190	63	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Fluoranthene	310 *		38	7.1	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Fluorene	9.0 J		38	5.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Hexachlorobenzene	<77 *		77	8.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916D

Lab Sample ID: 500-108572-13

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.1

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	130	*	38	10	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Isophorone	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Naphthalene	<38		38	5.9	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Pentachlorophenol	<770	*	770	620	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Phenanthrene	210	*	38	5.4	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Phenol	<190		190	85	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Pyrene	740	*	38	7.6	ug/Kg	☼	03/11/16 07:06	03/16/16 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		35 - 137				03/11/16 07:06	03/16/16 02:59	1
2-Fluorobiphenyl	107		25 - 119				03/11/16 07:06	03/16/16 02:59	1
2-Fluorophenol	92		25 - 110				03/11/16 07:06	03/16/16 02:59	1
Nitrobenzene-d5	86		25 - 115				03/11/16 07:06	03/16/16 02:59	1
Phenol-d5	92		31 - 110				03/11/16 07:06	03/16/16 02:59	1
Terphenyl-d14	157	X *	36 - 134				03/11/16 07:06	03/16/16 02:59	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		03/16/16 14:56	03/17/16 21:25	1
Barium	0.34	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:25	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:25	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:25	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:25	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:25	1
Manganese	0.37		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:25	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:25	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:25	1
Zinc	0.13	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 08:00	1
Barium	0.47	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:00	1
Beryllium	0.0042		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:00	1
Chromium	0.11		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:00	1
Cobalt	0.027		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:00	1
Copper	0.092		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:00	1
Iron	120		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:04	1
Lead	0.13		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 23:04	1
Manganese	1.0		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:00	1
Nickel	0.10		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-5(0-1)-030916D

Lab Sample ID: 500-108572-13

Date Collected: 03/09/16 10:40

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.1

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		03/16/16 15:01	03/18/16 08:00	1
Zinc	2.7	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.90		0.90	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Arsenic	6.0		0.45	0.21	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Barium	63		0.45	0.082	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Beryllium	0.39		0.18	0.039	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Cadmium	0.088	J	0.090	0.026	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Calcium	13000	B	9.0	2.9	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Chromium	12	B	2.2	0.077	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Cobalt	8.5		0.22	0.051	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Copper	12		0.45	0.098	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Iron	13000	B	9.0	3.5	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Lead	27		0.22	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Magnesium	8400	B	4.5	1.8	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Manganese	440		0.45	0.089	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Nickel	15	B	0.45	0.12	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Potassium	900		22	3.7	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Selenium	0.42	J	0.45	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Silver	<0.22		0.22	0.053	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Sodium	1400		45	5.9	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/15/16 09:35	03/16/16 20:12	1
Vanadium	18		0.22	0.066	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	1
Zinc	62		0.90	0.28	mg/Kg	☼	03/15/16 09:35	03/16/16 04:03	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		03/16/16 16:00	03/17/16 17:18	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		03/17/16 16:30	03/18/16 12:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		19	10	ug/Kg	☼	03/16/16 15:00	03/17/16 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.57		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-6(0-1)-030916

Lab Sample ID: 500-108572-14

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		03/11/16 04:52	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 04:52	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		03/11/16 04:52	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 04:52	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 04:52	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 04:52	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 04:52	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 04:52	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 04:52	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 04:52	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 04:52	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		03/11/16 04:52	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 04:52	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 04:52	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 04:52	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 04:52	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 04:52	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		03/11/16 04:52	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 04:52	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 04:52	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 04:52	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 04:52	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 04:52	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 04:52	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 04:52	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 04:52	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 04:52	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 04:52	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 04:52	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 04:52	1
Dibromofluoromethane	98		75 - 120		03/11/16 04:52	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		03/11/16 04:52	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-6(0-1)-030916

Lab Sample ID: 500-108572-14

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

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	<360		360	83	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2-Methylphenol	<180		180	58	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
3,3'-Dichlorobenzidine	<180 *		180	51	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4,6-Dinitro-2-methylphenol	<730 *		730	290	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4-Bromophenyl phenyl ether	<180 *		180	48	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Anthracene	<36 *		36	6.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Benzo[a]anthracene	45 *		36	4.9	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Benzo[a]pyrene	<36 *		36	7.0	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Benzo[b]fluoranthene	80 *		36	7.8	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Benzo[g,h,i]perylene	87 *		36	12	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Benzo[k]fluoranthene	43 *		36	11	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Bis(2-ethylhexyl) phthalate	90 J *		180	66	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Butyl benzyl phthalate	<180 *		180	69	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Carbazole	<180 *		180	91	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Chrysene	72 *		36	9.9	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Dibenz(a,h)anthracene	<36 *		36	7.0	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Di-n-butyl phthalate	<180 *		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Di-n-octyl phthalate	<180 *		180	59	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Fluoranthene	52 *		36	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Fluorene	<36		36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Hexachlorobenzene	<73 *		73	8.4	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Hexachloroethane	<180		180	55	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-6(0-1)-030916

Lab Sample ID: 500-108572-14

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

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	<36	*	36	9.4	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Isophorone	<180		180	41	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Naphthalene	<36		36	5.6	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
N-Nitrosodiphenylamine	<180	*	180	43	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Pentachlorophenol	<730	*	730	580	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Phenanthrene	34	J *	36	5.1	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Phenol	<180		180	81	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Pyrene	130	*	36	7.2	ug/Kg	☼	03/11/16 07:06	03/16/16 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137				03/11/16 07:06	03/16/16 03:29	1
2-Fluorobiphenyl	112		25 - 119				03/11/16 07:06	03/16/16 03:29	1
2-Fluorophenol	98		25 - 110				03/11/16 07:06	03/16/16 03:29	1
Nitrobenzene-d5	92		25 - 115				03/11/16 07:06	03/16/16 03:29	1
Phenol-d5	99		31 - 110				03/11/16 07:06	03/16/16 03:29	1
Terphenyl-d14	164	X *	36 - 134				03/11/16 07:06	03/16/16 03:29	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		03/16/16 14:56	03/17/16 21:31	1
Barium	0.34	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 21:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 21:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 21:31	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:31	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:31	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:31	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 21:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 21:31	1
Manganese	1.5		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:31	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 21:31	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 21:31	1
Zinc	0.34	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 08:05	1
Barium	0.44	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 08:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 08:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 08:05	1
Chromium	0.10		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:05	1
Cobalt	0.026		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:05	1
Copper	0.079		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:05	1
Iron	100		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 23:09	1
Lead	0.12		0.038	0.038	mg/L		03/16/16 15:01	03/19/16 19:40	5
Manganese	1.0		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:05	1
Nickel	0.089		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 08:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 08:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: R24-6(0-1)-030916

Lab Sample ID: 500-108572-14

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 91.4

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		03/16/16 15:01	03/18/16 08:05	1
Zinc	2.3	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 08:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.81		0.81	0.17	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Arsenic	2.1		0.40	0.19	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Barium	21		0.40	0.074	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Beryllium	0.18		0.16	0.035	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Cadmium	0.056	J	0.081	0.023	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Calcium	140000	B	81	26	mg/Kg	☼	03/15/16 09:35	03/16/16 22:11	10
Chromium	6.6	B	2.0	0.069	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Cobalt	2.6		0.20	0.046	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Copper	6.2		0.40	0.088	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Iron	5600	B	8.1	3.1	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Lead	25		0.20	0.10	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Magnesium	84000	B	40	16	mg/Kg	☼	03/15/16 09:35	03/16/16 22:11	10
Manganese	260		0.40	0.080	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Nickel	6.6	B	0.40	0.11	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Potassium	640		20	3.3	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Selenium	<0.40		0.40	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Silver	<0.20		0.20	0.047	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Sodium	790		40	5.3	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Thallium	<0.40		0.40	0.20	mg/Kg	☼	03/15/16 09:35	03/16/16 20:16	1
Vanadium	7.3		0.20	0.059	mg/Kg	☼	03/15/16 09:35	03/16/16 04:08	1
Zinc	34		0.81	0.26	mg/Kg	☼	03/15/16 09:35	03/16/16 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		03/16/16 16:00	03/17/16 17:20	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		03/17/16 16:30	03/18/16 12:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	18	9.2	ug/Kg	☼	03/16/16 15:00	03/17/16 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.200	0.200	SU			03/11/16 00:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 601
Phone: 708.534.5200 Fax: 708.534.



500-108572 COC

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 201
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter										Preservative Key	
Weston																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #															
IDOT 034																	
Project Location/State		Lab PM															
Wilmington, IL		Dick Wright															
Sampler																	
A. Tuckasz																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOE	SVOC	Total Metals	TCLP/ SPLP Metals	pH						Comments
1		R30-1(0-1)-030916	3/9/16	0843	2	S	X	X	X	X	X						
2		R30-1(0-1)-030916D	3/9/16	0843	2	S	X	X	X	X	X						
3		R30-2(0-1)-030916	3/9/16	0859	2	S	X	X	X	X	X						
4		AL28-2(0-1)-030916	3/9/16	0910	2	S	X	X	X	X	X						
5		AL28-3(0-1)-030916	3/9/16	0920	2	S	X	X	X	X	X						
6		AL28-4(0-1)-030916	3/9/16	0930	2	S	X	X	X	X	X						
7		AL28-5(0-1)-030916	3/9/16	0945	2	S	X	X	X	X	X						
8		R24-1(0-1)-030916	3/9/16	0955	2	S	X	X	X	X	X						
9		R24-2(0-1)-030916	3/9/16	1005	2	S	X	X	X	X	X						
10		R24-3(0-1)-030916	3/9/16	1015	2	S	X	X	X	X	X						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>TA-CRT</u>	Date <u>3/9/16</u>	Time <u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier

TA

Shipped

Hand Delivered

Matrix Key

WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babasukumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572

Chain of Custody Number: _____

Page 2 of 5

Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP /	SPLP Metals	PH						
<u>IDOT 039</u>				Date	Time														
Project Location/State		Lab PM																	
<u>Wilmington, IL</u>		<u>Dick Wright</u>																	
Sampler																			
<u>A. Tuckasz</u>																			
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP /	SPLP Metals	PH					Comments	
<u>11</u>		<u>R24-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1025</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>		<u>R24-8(0-1)-030916</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>13</u>		<u>R24-5(0-1)-030916D</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>14</u>		<u>R24-6(0-1)-030916</u>		<u>3/9/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>15</u>		<u>R23-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1105</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>16</u>		<u>R23-2(0-1)-030916</u>		<u>3/9/16</u>	<u>1110</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>17</u>		<u>R23-3(0-1)-030916</u>		<u>3/9/16</u>	<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>18</u>		<u>R23-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>19</u>		<u>R23-5(0-1)-030916</u>		<u>3/9/16</u>	<u>1132</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>20</u>		<u>KR-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1138</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By <u>Ahmed M. Tuff</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19000 block of IL 102 (ISGS Site No. 2946-25)

City: Wesley Township 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: 41.243853923 Longitude: -88.087502174
(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: FAP 361: IL 102 John St to Kankakee Cty LineLatitude: 41.243853923 Longitude: -88.087502174Uncontaminated 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 AL25-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2946-25. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108575-1.
ALSO SEE FIGURE 4-8 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 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-25
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL25-1(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	
Location ID	AL25-1	
Depth	0 - 1	
ISGS Site No.	2946-25	
Parameter		
Laboratory pH (s.u.)	8.22	<6.25,>9.0
VOCs (ug/kg)	None Detected	
SVOCs (ug/kg)		
2-Methylnaphthalene	22 J	---
Acenaphthene	250	570000
Acenaphthylene	6.3 J	---
Anthracene	670	1.20E+07
Benzo(a)anthracene	1200 J	900 / 1100 / 1800
Benzo(a)pyrene	1100 J	90 / 1300 / 2100
Benzo(b)fluoranthene	1800 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	560 J	---
Benzo(k)fluoranthene	700 J	9000
Carbazole	300	600
Chrysene	1300 J	88000
Dibenzo(a,h)anthracene	140 J	90 / 200 / 420
Dibenzofuran	130 J	---
Fluoranthene	2500	3100000
Fluorene	330	560000
Indeno(1,2,3-cd)pyrene	570 J	900 / 900 / 1600
Naphthalene, SVOC	12 J	1800
Phenanthrene	3200	---
Pyrene	5500 *	2300000
Total Metals (mg/kg)		
Arsenic, Total	2.4	11.3 / 13
Barium, Total	27	1500
Beryllium, Total	0.17 J	22
Cadmium, Total	0.051 J	5.2
Calcium, Total	66000	---
Chromium, Total	ND	21
Cobalt, Total	3.1	20
Copper, Total	8.4	2900
Iron, Total	5900 J-	15000 / 15900
Lead, Total	18	107
Magnesium, Total	27000 B	325000
Manganese, Total	180	630 / 636
Mercury, Total	0.015 J	0.89
Nickel, Total	7.4 B	100
Potassium, Total	360	---
Selenium, Total	0.34 J	1.3
Sodium, Total	800	---
Vanadium, Total	8.4	550
Zinc, Total	42	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.28 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	1.4	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Zinc, TCLP	ND	5

Summary Table of ISGS Site No. 2946-25
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL25-1(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	
Location ID	AL25-1	
Depth	0 - 1	
ISGS Site No.	2946-25	
Parameter		
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.18 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.043	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.04	0.65
Iron, SPLP	41 J-	5
Lead, SPLP	0.064 J-	0.0075
Manganese, SPLP	0.4 J-	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.035	0.1
Selenium, SPLP	ND	0.05
Zinc, SPLP	0.2 J	5

Notes:

--- - not applicable or value not available.

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

* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL25-1(0-1)-030916

Lab Sample ID: 500-108575-16

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 19:29	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 19:29	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		03/11/16 19:29	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 19:29	1
Bromomethane	<5.6 *		5.6	2.0	ug/Kg	☼		03/11/16 19:29	1
Carbon disulfide	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 19:29	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 19:29	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		03/11/16 19:29	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 19:29	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 19:29	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		03/11/16 19:29	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 19:29	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		03/11/16 19:29	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 19:29	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 19:29	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 19:29	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 19:29	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		03/11/16 19:29	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		03/11/16 19:29	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		03/11/16 19:29	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 19:29	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.88	ug/Kg	☼		03/11/16 19:29	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		03/11/16 19:29	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		03/11/16 19:29	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		03/11/16 19:29	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		03/11/16 19:29	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		03/11/16 19:29	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		03/11/16 19:29	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		03/11/16 19:29	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/11/16 19:29	1
Dibromofluoromethane	98		75 - 120		03/11/16 19:29	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134		03/11/16 19:29	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 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	<190		190	40	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL25-1(0-1)-030916

Lab Sample ID: 500-108575-16

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.8

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	84	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2-Methylnaphthalene	22	J	37	6.8	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Acenaphthene	250		37	6.6	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Acenaphthylene	6.3	J	37	4.9	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Anthracene	670		37	6.2	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Benzo[a]anthracene	1200	*	37	5.0	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Benzo[a]pyrene	1100	*	37	7.1	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Benzo[b]fluoranthene	1800	*	37	8.0	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Benzo[g,h,i]perylene	560	*	37	12	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Benzo[k]fluoranthene	700	*	37	11	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Bis(2-ethylhexyl) phthalate	120	J B *	190	67	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Butyl benzyl phthalate	<190	*	190	70	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Carbazole	300		190	92	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Chrysene	1300	*	37	10	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Dibenz(a,h)anthracene	140	*	37	7.1	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Dibenzofuran	130	J	190	43	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Fluoranthene	2500		37	6.8	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Fluorene	330		37	5.2	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL25-1(0-1)-030916

Lab Sample ID: 500-108575-16

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.8

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	570	*	37	9.6	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Isophorone	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Naphthalene	12	J	37	5.7	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Phenol	<190		190	82	ug/Kg	☼	03/11/16 13:22	03/17/16 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		35 - 137				03/11/16 13:22	03/17/16 21:08	1
2-Fluorobiphenyl	98		25 - 119				03/11/16 13:22	03/17/16 21:08	1
2-Fluorophenol	98		25 - 110				03/11/16 13:22	03/17/16 21:08	1
Nitrobenzene-d5	89		25 - 115				03/11/16 13:22	03/17/16 21:08	1
Phenol-d5	105		31 - 110				03/11/16 13:22	03/17/16 21:08	1
Terphenyl-d14	198	X *	36 - 134				03/11/16 13:22	03/17/16 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	3200		370	51	ug/Kg	☼	03/11/16 13:22	03/19/16 04:37	10
Pyrene	5500	*	370	73	ug/Kg	☼	03/11/16 13:22	03/19/16 04:37	10

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		03/17/16 15:03	03/18/16 19:37	1
Barium	0.28	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:37	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:37	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:37	1
Manganese	1.4		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:37	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:37	1
Zinc	0.13	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:37	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		03/18/16 08:38	03/19/16 02:44	1
Barium	0.18	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:44	1
Chromium	0.043		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:44	1
Copper	0.040		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:44	1
Iron	41		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:44	1
Lead	0.064		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: AL25-1(0-1)-030916

Lab Sample ID: 500-108575-16

Date Collected: 03/09/16 11:00

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.40		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:44	1
Nickel	0.035		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:44	1
Silver	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:44	1
Zinc	0.20	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.89		0.89	0.19	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Arsenic	2.4		0.45	0.21	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Barium	27		0.45	0.082	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Beryllium	0.17	J	0.18	0.039	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Cadmium	0.051	J	0.089	0.026	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Calcium	66000		89	29	mg/Kg	☼	03/15/16 09:25	03/17/16 20:19	10
Chromium	7.4	B	2.2	0.077	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Cobalt	3.1		0.22	0.051	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Copper	8.4		0.45	0.097	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Iron	5900		10	3.9	mg/Kg	☼	03/18/16 15:58	03/19/16 23:05	1
Lead	18		0.22	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Magnesium	27000	B	4.5	1.8	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Manganese	180		0.45	0.089	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Nickel	7.4	B	0.45	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Potassium	360		22	3.7	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Selenium	0.34	J	0.45	0.22	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Silver	<0.22		0.22	0.052	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Sodium	800		45	5.9	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Thallium	<0.45		0.45	0.22	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Vanadium	8.4		0.22	0.065	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	1
Zinc	42		0.89	0.28	mg/Kg	☼	03/15/16 09:25	03/17/16 06:29	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		03/17/16 16:30	03/18/16 15:10	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		03/18/16 17:45	03/19/16 13:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	16	8.5	ug/Kg	☼	03/16/16 15:00	03/17/16 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22		0.200	0.200	SU			03/11/16 17:50	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
WESTON SOLUTIONS		02056.014.039.0038		7	7	7	7	7			
Project Name		Lab Project #		VOC		SVOC		Total Metals		TCLP (SPLP) Metals	
100T039-IL RTE 102											
Project Location/State		Lab PM		PH							
WILMINGTON, IL		A. Simpson									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other
 Requested Due Date _____

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

Relinquished By <u>A. S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
Project Location/State		Lab PM		S		S		S		S		
WILMINGTON, IL		D. WRIGHT		S		S		S		S		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOCs	Total Metals	TECP/SPLP Metals	PH	Comments
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 2 wks Other
 Requested Due Date: 3/9/16

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

Relinquished By: <u>A. Sun</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: <u></u>
Relinquished By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Received By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Hand Delivered: <u></u>

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:
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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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19856 IL 102 (ISGS Site No. 2946-26)

City: Wesley Township 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: 41.244680320 Longitude: -88.088963888

(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

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty LineLatitude: 41.244680320 Longitude: -88.088963888Uncontaminated 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 R26-1 AND R26-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-26. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-108575-1.
ALSO SEE FIGURE 4-8 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 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-26
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R26-1(0-1)-030916	R26-2(0-1)-030916	Soil Reference Concentrations^A
Sample Date	3/9/2016	3/9/2016	
Location ID	R26-1	R26-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-26	2946-26	
Parameter			
Laboratory pH (s.u.)	7.94	8.18	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
Acenaphthylene	31 J	5.5 J	---
Anthracene	26 J	ND	1.20E+07
Benzo(a)anthracene	120	61	900 / 1100 / 1800
Benzo(a)pyrene	170 J	90 J	90 / 1300 / 2100
Benzo(b)fluoranthene	320 J	170 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	95 J	55 J	---
Benzo(k)fluoranthene	92 J	63 J	9000
Butyl benzyl phthalate	84 J	ND	930000
Chrysene	150	89	88000
Dibenzo(a,h)anthracene	18 J	ND	90 / 200 / 420
Fluoranthene	290	140	3100000
Indeno(1,2,3-cd)pyrene	96 J	33 J	900 / 900 / 1600
Phenanthrene	100	63	---
Pyrene	300	190	2300000
Total Metals (mg/kg)			
Arsenic, Total	2.6	2.6	11.3 / 13
Barium, Total	41	35	1500
Beryllium, Total	0.34	0.21	22
Cadmium, Total	0.17	0.16	5.2
Calcium, Total	110000	140000	---
Chromium, Total	10 B	13 B	21
Cobalt, Total	4.1	3.7	20
Copper, Total	16	12	2900
Iron, Total	7100 J-	9200 J-	15000 / 15900
Lead, Total	50	54	107
Magnesium, Total	68000	82000	325000
Manganese, Total	260	390	630 / 636
Mercury, Total	0.021	0.018 J	0.89
Nickel, Total	11 B	9 B	100
Potassium, Total	780	610	---
Sodium, Total	3300	940	---
Vanadium, Total	12	9.2	550
Zinc, Total	79	57	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.28 J	0.35 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	1.7	1.1	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	0.021 J	0.1
Zinc, TCLP	ND	ND	5

Summary Table of ISGS Site No. 2946-26
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	R26-1(0-1)-030916	R26-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	R26-1	R26-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-26	2946-26	
Parameter			
SPLP Metals (mg/l)			
Arsenic, SPLP	0.021 J	0.015 J	0.05
Barium, SPLP	0.4 J	0.3 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	0.0026 J	0.002 J	0.005
Chromium, SPLP	0.1	0.065	0.1
Cobalt, SPLP	0.023 J	0.012 J	1
Copper, SPLP	0.1	0.06	0.65
Iron, SPLP	98 J-	60 J-	5
Lead, SPLP	0.22 J-	0.13 J-	0.0075
Manganese, SPLP	0.79 J-	0.52 J-	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.08	0.047	0.1
Zinc, SPLP	0.56 J-	0.38 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

Richard Wright, Senior Project Manager
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LINKS

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

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

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

- 1
- 2
- 3
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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-2(0-1)-030916

Lab Sample ID: 500-108575-17

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 19:55	1
Benzene	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 19:55	1
Bromodichloromethane	<5.9		5.9	0.99	ug/Kg	☼		03/11/16 19:55	1
Bromoform	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 19:55	1
Bromomethane	<5.9 *		5.9	2.2	ug/Kg	☼		03/11/16 19:55	1
Carbon disulfide	<5.9		5.9	2.2	ug/Kg	☼		03/11/16 19:55	1
Carbon tetrachloride	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 19:55	1
Chlorobenzene	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 19:55	1
Chloroethane	<5.9		5.9	2.5	ug/Kg	☼		03/11/16 19:55	1
Chloroform	<5.9		5.9	1.1	ug/Kg	☼		03/11/16 19:55	1
Chloromethane	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 19:55	1
cis-1,2-Dichloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 19:55	1
cis-1,3-Dichloropropene	<5.9		5.9	1.3	ug/Kg	☼		03/11/16 19:55	1
Dibromochloromethane	<5.9		5.9	0.67	ug/Kg	☼		03/11/16 19:55	1
1,1-Dichloroethane	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 19:55	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		03/11/16 19:55	1
1,1-Dichloroethene	<5.9		5.9	2.1	ug/Kg	☼		03/11/16 19:55	1
1,2-Dichloropropane	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 19:55	1
1,3-Dichloropropene, Total	<5.9		5.9	1.7	ug/Kg	☼		03/11/16 19:55	1
Ethylbenzene	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 19:55	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼		03/11/16 19:55	1
Methylene Chloride	<5.9		5.9	4.4	ug/Kg	☼		03/11/16 19:55	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		03/11/16 19:55	1
methyl isobutyl ketone	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 19:55	1
Methyl tert-butyl ether	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 19:55	1
Styrene	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 19:55	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	0.93	ug/Kg	☼		03/11/16 19:55	1
Tetrachloroethene	<5.9		5.9	1.2	ug/Kg	☼		03/11/16 19:55	1
Toluene	<5.9		5.9	2.0	ug/Kg	☼		03/11/16 19:55	1
trans-1,2-Dichloroethene	<5.9		5.9	1.5	ug/Kg	☼		03/11/16 19:55	1
trans-1,3-Dichloropropene	<5.9		5.9	1.7	ug/Kg	☼		03/11/16 19:55	1
1,1,1-Trichloroethane	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 19:55	1
1,1,2-Trichloroethane	<5.9		5.9	1.1	ug/Kg	☼		03/11/16 19:55	1
Trichloroethene	<5.9		5.9	1.6	ug/Kg	☼		03/11/16 19:55	1
Vinyl chloride	<5.9		5.9	1.4	ug/Kg	☼		03/11/16 19:55	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/11/16 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 19:55	1
Dibromofluoromethane	99		75 - 120		03/11/16 19:55	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 19:55	1
Toluene-d8 (Surr)	110		75 - 122		03/11/16 19:55	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	☼	03/11/16 13:22	03/17/16 20:39	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-2(0-1)-030916

Lab Sample ID: 500-108575-17

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Acenaphthylene	5.5	J	37	4.9	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Anthracene	<37		37	6.2	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Benzo[a]anthracene	61		37	5.0	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Benzo[a]pyrene	90	*	37	7.2	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Benzo[b]fluoranthene	170	*	37	8.0	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Benzo[g,h,i]perylene	55	*	37	12	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Benzo[k]fluoranthene	63	*	37	11	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Bis(2-ethylhexyl) phthalate	160	J B	190	68	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Carbazole	<190		190	93	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Chrysene	89		37	10	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Dibenz(a,h)anthracene	<37	*	37	7.2	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Fluoranthene	140		37	6.9	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-2(0-1)-030916

Lab Sample ID: 500-108575-17

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

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	33	J*	37	9.7	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Phenanthrene	63		37	5.2	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Pyrene	190		37	7.4	ug/Kg	☼	03/11/16 13:22	03/17/16 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		35 - 137				03/11/16 13:22	03/17/16 20:39	1
2-Fluorobiphenyl	84		25 - 119				03/11/16 13:22	03/17/16 20:39	1
2-Fluorophenol	86		25 - 110				03/11/16 13:22	03/17/16 20:39	1
Nitrobenzene-d5	75		25 - 115				03/11/16 13:22	03/17/16 20:39	1
Phenol-d5	90		31 - 110				03/11/16 13:22	03/17/16 20:39	1
Terphenyl-d14	148	X	36 - 134				03/11/16 13:22	03/17/16 20:39	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		03/17/16 15:03	03/18/16 19:42	1
Barium	0.35	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:42	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:42	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:42	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:42	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:42	1
Manganese	1.1		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:42	1
Nickel	0.021	J	0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:42	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:42	1
Zinc	0.12	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:42	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		03/18/16 08:38	03/19/16 02:48	1
Barium	0.30	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:48	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:48	1
Chromium	0.065		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:48	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:48	1
Copper	0.060		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:48	1
Iron	60		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:48	1
Lead	0.13		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:48	1
Manganese	0.52		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:48	1
Nickel	0.047		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-2(0-1)-030916

Lab Sample ID: 500-108575-17

Date Collected: 03/09/16 11:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 85.4

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		03/18/16 08:38	03/19/16 02:48	1
Zinc	0.38	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Arsenic	2.6		0.50	0.23	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Barium	35		0.50	0.092	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Beryllium	0.21		0.20	0.043	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Cadmium	0.16		0.10	0.029	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Calcium	140000		100	32	mg/Kg	☼	03/15/16 09:25	03/17/16 20:31	10
Chromium	13	B	2.5	0.086	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Cobalt	3.7		0.25	0.057	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Copper	12		0.50	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Iron	9200		11	4.3	mg/Kg	☼	03/18/16 15:58	03/19/16 23:10	1
Lead	54		0.25	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Magnesium	82000		50	20	mg/Kg	☼	03/15/16 09:25	03/17/16 20:31	10
Manganese	390		0.50	0.099	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Nickel	9.0	B	0.50	0.14	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Potassium	610		25	4.1	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Sodium	940		50	6.6	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Vanadium	9.2		0.25	0.073	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	1
Zinc	57		1.0	0.32	mg/Kg	☼	03/15/16 09:25	03/17/16 06:34	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		03/17/16 16:30	03/18/16 15:12	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		03/18/16 17:45	03/19/16 13:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18	J	20	10	ug/Kg	☼	03/16/16 15:00	03/17/16 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18		0.200	0.200	SU			03/11/16 17:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-1(0-1)-030916

Lab Sample ID: 500-108575-18

Date Collected: 03/09/16 11:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 20:20	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 20:20	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 20:20	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 20:20	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/11/16 20:20	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 20:20	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 20:20	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 20:20	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 20:20	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 20:20	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 20:20	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 20:20	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 20:20	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/11/16 20:20	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 20:20	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/11/16 20:20	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 20:20	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 20:20	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 20:20	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 20:20	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 20:20	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 20:20	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 20:20	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 20:20	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 20:20	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 20:20	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/11/16 20:20	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 20:20	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 20:20	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 20:20	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 20:20	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 20:20	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 20:20	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 20:20	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 20:20	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/11/16 20:20	1
Dibromofluoromethane	96		75 - 120		03/11/16 20:20	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 20:20	1
Toluene-d8 (Surr)	109		75 - 122		03/11/16 20:20	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	☼	03/11/16 13:22	03/18/16 20:29	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-1(0-1)-030916

Lab Sample ID: 500-108575-18

Date Collected: 03/09/16 11:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Acenaphthylene	31	J	37	4.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Anthracene	26	J	37	6.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Benzo[a]anthracene	120		37	5.0	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Benzo[a]pyrene	170	*	37	7.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Benzo[b]fluoranthene	320	*	37	8.1	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Benzo[g,h,i]perylene	95	*	37	12	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Benzo[k]fluoranthene	92	*	37	11	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Bis(2-ethylhexyl) phthalate	330	B	190	68	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Butyl benzyl phthalate	84	J	190	71	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Carbazole	<190		190	93	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Chrysene	150		37	10	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Dibenz(a,h)anthracene	18	J *	37	7.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Fluoranthene	290		37	6.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-1(0-1)-030916

Lab Sample ID: 500-108575-18

Date Collected: 03/09/16 11:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

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	96	*	37	9.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Phenanthrene	100		37	5.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Pyrene	300		37	7.4	ug/Kg	☼	03/11/16 13:22	03/18/16 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		35 - 137				03/11/16 13:22	03/18/16 20:29	1
2-Fluorobiphenyl	87		25 - 119				03/11/16 13:22	03/18/16 20:29	1
2-Fluorophenol	90		25 - 110				03/11/16 13:22	03/18/16 20:29	1
Nitrobenzene-d5	79		25 - 115				03/11/16 13:22	03/18/16 20:29	1
Phenol-d5	91		31 - 110				03/11/16 13:22	03/18/16 20:29	1
Terphenyl-d14	116		36 - 134				03/11/16 13:22	03/18/16 20:29	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		03/17/16 15:03	03/18/16 19:47	1
Barium	0.28	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:47	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:47	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:47	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:47	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:47	1
Manganese	1.7		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:47	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:47	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:47	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:47	1
Zinc	0.11	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		03/18/16 08:38	03/19/16 02:53	1
Barium	0.40	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 02:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 02:53	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 02:53	1
Chromium	0.10		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:53	1
Cobalt	0.023	J	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:53	1
Copper	0.10		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:53	1
Iron	98		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 02:53	1
Lead	0.22		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 02:53	1
Manganese	0.79		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:53	1
Nickel	0.080		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 02:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 02:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: R26-1(0-1)-030916

Lab Sample ID: 500-108575-18

Date Collected: 03/09/16 11:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.6

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		03/18/16 08:38	03/19/16 02:53	1
Zinc	0.56		0.50	0.020	mg/L		03/18/16 08:38	03/19/16 02:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.79		0.79	0.16	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Arsenic	2.6		0.40	0.18	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Barium	41		0.40	0.072	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Beryllium	0.34		0.16	0.034	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Cadmium	0.17		0.079	0.023	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Calcium	110000		79	25	mg/Kg	☼	03/15/16 09:25	03/17/16 20:35	10
Chromium	10	B	2.0	0.068	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Cobalt	4.1		0.20	0.045	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Copper	16		0.40	0.086	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Iron	7100		11	4.2	mg/Kg	☼	03/18/16 15:58	03/19/16 23:15	1
Lead	50		0.20	0.098	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Magnesium	68000		40	16	mg/Kg	☼	03/15/16 09:25	03/17/16 20:35	10
Manganese	260		0.40	0.078	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Nickel	11	B	0.40	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Potassium	780		20	3.2	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Selenium	<0.40		0.40	0.20	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Silver	<0.20		0.20	0.046	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Sodium	3300		40	5.2	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Thallium	<0.40		0.40	0.19	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Vanadium	12		0.20	0.058	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	1
Zinc	79		0.79	0.25	mg/Kg	☼	03/15/16 09:25	03/17/16 06:39	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		03/17/16 16:30	03/18/16 15:14	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		03/18/16 17:45	03/19/16 13:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		18	9.4	ug/Kg	☼	03/16/16 15:00	03/17/16 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			03/11/16 18:03	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other			
Project Name		Lab Project #		Sampler		Matrix								
Project Location/State		Lab PM		Date		Time								
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TELP (SPLP) Metals		PH		
		WESTON SOLUTIONS	02056.014.039.0038											
		100T039-IL RTE 102												
		WILMINGTON, IL												
		A. Simpson												
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X			
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X			
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X			
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X			
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X			
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X			
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X			
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X			
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X			
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X			

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other

Requested Due Date

Sample Disposal

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

Relinquished By <u>A.S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
100T 059-1L RTE 102												
Project Location/State		Lab PM										
WILMINGTON, IL		D. WRIGHT										
Sampler		Alistair Simpson										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix						
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 2 wks Other
 Requested Due Date: 3/21/16

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

Relinquished By: <u>A. Simpson</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPE</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: <u></u>
Relinquished By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Received By: <u></u>	Company: <u></u>	Date: <u></u>	Time: <u></u>	Hand Delivered: <u></u>

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
 Lab Comments:



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

19000 block of IL 102 (ISGS Site No. 2946-27)

City: Wesley Township 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: 41.245347735 Longitude: -88.090126814
(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

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

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

Project Name: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.245347735 Longitude: -88.090126814

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 SD-1 AND SD-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-27. SEE FIGURE 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108575-1.
ALSO SEE FIGURE 4-8 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:

25 April 2016

Date:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:



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

Summary Table of ISGS Site No. 2946-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	SD-1(0-1)-030916	SD-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	SD-1	SD-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-27	2946-27	
Parameter			
Laboratory pH (s.u.)	8.27	8.51	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
2-Methylnaphthalene	7.8 J	ND	---
Acenaphthylene	14 J	70	---
Anthracene	16 J	28 J	1.20E+07
Benzo(a)anthracene	110 J	210 J	900 / 1100 / 1800
Benzo(a)pyrene	130 J	320 J	90 / 1300 / 2100
Benzo(b)fluoranthene	220 J	600 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	170 J	210 J	---
Benzo(k)fluoranthene	81 J	180 J	9000
Butyl benzyl phthalate	99 J	ND	930000
Chrysene	130 J	250 J	88000
Dibenzo(a,h)anthracene	35 J	50 J	90 / 200 / 420
Fluoranthene	120	310	3100000
Indeno(1,2,3-cd)pyrene	87 J	200 J	900 / 900 / 1600
Phenanthrene	73	80	---
Pyrene	350 J	560 J	2300000
Total Metals (mg/kg)			
Antimony, Total	ND	0.23 J	5
Arsenic, Total	3.7	1.5	11.3 / 13
Barium, Total	41	20	1500
Beryllium, Total	0.31	0.16 J	22
Cadmium, Total	0.14	0.046 J	5.2
Calcium, Total	110000	190000	---
Chromium, Total	9.2 B	ND	21
Cobalt, Total	4	2.1	20
Copper, Total	12	7.4	2900
Iron, Total	7200 J-	5200 J-	15000 / 15900
Lead, Total	59	17	107
Magnesium, Total	65000	110000	325000
Manganese, Total	390	260	630 / 636
Mercury, Total	0.058	0.025	0.89
Nickel, Total	9.8 B	6.9 B	100
Potassium, Total	590	470	---
Selenium, Total	0.29 J	ND	1.3
Sodium, Total	1300	1000	---
Vanadium, Total	12	9.7	550
Zinc, Total	59	30	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.25 J	0.35 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	0.0022 J	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	0.029	1
Copper, TCLP	ND	0.012 J	0.65
Iron, TCLP	ND	1.3	5
Lead, TCLP	ND	0.015	0.0075
Manganese, TCLP	0.88	4.1	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	0.029	0.1
Selenium, TCLP	ND	ND	0.05
Zinc, TCLP	ND	0.32 J	5

Summary Table of ISGS Site No. 2946-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	SD-1(0-1)-030916	SD-2(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	
Location ID	SD-1	SD-2	
Depth	0 - 1	0 - 1	
ISGS Site No.	2946-27	2946-27	
Parameter			
SPLP Metals (mg/l)			
Arsenic, SPLP	0.077	ND	0.05
Barium, SPLP	0.54 J-	0.16 J	2
Beryllium, SPLP	0.0062	ND	0.004
Cadmium, SPLP	0.0021 J	ND	0.005
Chromium, SPLP	0.16	0.04	0.1
Cobalt, SPLP	0.043	ND	1
Copper, SPLP	0.18	0.043	0.65
Iron, SPLP	190 J-	35 J-	5
Lead, SPLP	0.28 J-	0.08 J-	0.0075
Manganese, SPLP	1.3 J-	0.35 J-	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.16	0.029	0.1
Silver, SPLP	ND	ND	0.05
Zinc, SPLP	0.83 J-	0.23 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

B - Constituent detected in the blank and investigative sample.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-108575-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 5:08:43 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-2(0-1)-030916

Lab Sample ID: 500-108575-19

Date Collected: 03/09/16 11:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		03/11/16 20:45	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 20:45	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		03/11/16 20:45	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
Bromomethane	<5.5 *		5.5	2.0	ug/Kg	☼		03/11/16 20:45	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 20:45	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		03/11/16 20:45	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		03/11/16 20:45	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		03/11/16 20:45	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		03/11/16 20:45	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 20:45	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 20:45	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 20:45	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 20:45	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		03/11/16 20:45	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		03/11/16 20:45	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		03/11/16 20:45	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		03/11/16 20:45	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		03/11/16 20:45	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		03/11/16 20:45	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		03/11/16 20:45	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		03/11/16 20:45	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		03/11/16 20:45	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		03/11/16 20:45	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		03/11/16 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/11/16 20:45	1
Dibromofluoromethane	99		75 - 120		03/11/16 20:45	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		03/11/16 20:45	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 20:45	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	☼	03/11/16 13:22	03/18/16 20:58	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-2(0-1)-030916

Lab Sample ID: 500-108575-19

Date Collected: 03/09/16 11:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.9

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	☼	03/11/16 13:22	03/18/16 20:58	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2-Methylphenol	<180		180	57	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
3,3'-Dichlorobenzidine	<180 *		180	50	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Acenaphthylene	70		35	4.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Anthracene	28 J		35	5.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Benzo[a]anthracene	210 *		35	4.8	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Benzo[a]pyrene	320 *		35	6.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Benzo[b]fluoranthene	600 *		35	7.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Benzo[g,h,i]perylene	210 *		35	11	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Benzo[k]fluoranthene	180 *		35	10	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Bis(2-ethylhexyl) phthalate	160 J B *		180	65	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Butyl benzyl phthalate	<180 *		180	68	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Carbazole	<180		180	89	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Chrysene	250 *		35	9.7	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Dibenz(a,h)anthracene	50 *		35	6.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Dibenzofuran	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Fluoranthene	310		35	6.6	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Fluorene	<35		35	5.0	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Hexachloroethane	<180		180	54	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-2(0-1)-030916

Lab Sample ID: 500-108575-19

Date Collected: 03/09/16 11:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.9

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	200	*	35	9.2	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Isophorone	<180		180	40	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Naphthalene	<35		35	5.5	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
N-Nitrosodi-n-propylamine	<72		72	43	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Phenanthrene	80		35	5.0	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Phenol	<180		180	79	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Pyrene	560	*	35	7.1	ug/Kg	☼	03/11/16 13:22	03/18/16 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		35 - 137				03/11/16 13:22	03/18/16 20:58	1
2-Fluorobiphenyl	93		25 - 119				03/11/16 13:22	03/18/16 20:58	1
2-Fluorophenol	106		25 - 110				03/11/16 13:22	03/18/16 20:58	1
Nitrobenzene-d5	87		25 - 115				03/11/16 13:22	03/18/16 20:58	1
Phenol-d5	109		31 - 110				03/11/16 13:22	03/18/16 20:58	1
Terphenyl-d14	183	X *	36 - 134				03/11/16 13:22	03/18/16 20:58	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Barium	0.35	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:53	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Cobalt	0.029		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Copper	0.012	J	0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Iron	1.3		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:53	1
Lead	0.015		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:53	1
Manganese	4.1		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Nickel	0.029		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:53	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:53	1
Zinc	0.32	J B	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:53	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		03/18/16 08:38	03/19/16 03:04	1
Barium	0.16	J	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 03:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 03:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 03:04	1
Chromium	0.040		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:04	1
Cobalt	<0.025		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:04	1
Copper	0.043		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:04	1
Iron	35		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 03:04	1
Lead	0.080		0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 03:04	1
Manganese	0.35		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:04	1
Nickel	0.029		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:04	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 03:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-2(0-1)-030916

Lab Sample ID: 500-108575-19

Date Collected: 03/09/16 11:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 90.9

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		03/18/16 08:38	03/19/16 03:04	1
Zinc	0.23	J	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 03:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J	0.87	0.18	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Arsenic	1.5		0.43	0.20	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Barium	20		0.43	0.080	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Beryllium	0.16	J	0.17	0.038	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Cadmium	0.046	J	0.087	0.025	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Calcium	190000		87	28	mg/Kg	☼	03/15/16 09:25	03/17/16 20:39	10
Chromium	7.7	B	2.2	0.075	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Cobalt	2.1		0.22	0.049	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Copper	7.4		0.43	0.094	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Iron	5200		10	3.9	mg/Kg	☼	03/18/16 15:58	03/19/16 23:20	1
Lead	17		0.22	0.11	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Magnesium	110000		43	18	mg/Kg	☼	03/15/16 09:25	03/17/16 20:39	10
Manganese	260		0.43	0.086	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Nickel	6.9	B	0.43	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Potassium	470		22	3.5	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Selenium	<0.43		0.43	0.22	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Silver	<0.22		0.22	0.051	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Sodium	1000		43	5.7	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Thallium	<0.43		0.43	0.21	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Vanadium	9.7		0.22	0.063	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	1
Zinc	30		0.87	0.28	mg/Kg	☼	03/15/16 09:25	03/17/16 06:45	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		03/17/16 16:30	03/18/16 15:16	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		03/18/16 17:45	03/19/16 13:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		18	9.2	ug/Kg	☼	03/16/16 15:00	03/17/16 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.51		0.200	0.200	SU			03/11/16 18:09	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-1(0-1)-030916

Lab Sample ID: 500-108575-20

Date Collected: 03/09/16 11:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/11/16 21:10	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 21:10	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		03/11/16 21:10	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 21:10	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/11/16 21:10	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 21:10	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 21:10	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 21:10	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/11/16 21:10	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 21:10	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 21:10	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 21:10	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 21:10	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/11/16 21:10	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 21:10	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		03/11/16 21:10	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/11/16 21:10	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 21:10	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 21:10	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 21:10	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/11/16 21:10	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/11/16 21:10	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 21:10	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 21:10	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 21:10	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 21:10	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/11/16 21:10	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/11/16 21:10	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/11/16 21:10	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 21:10	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/11/16 21:10	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/11/16 21:10	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/11/16 21:10	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/11/16 21:10	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/11/16 21:10	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/11/16 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122		03/11/16 21:10	1
Dibromofluoromethane	97		75 - 120		03/11/16 21:10	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		03/11/16 21:10	1
Toluene-d8 (Surr)	113		75 - 122		03/11/16 21:10	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	☼	03/11/16 13:22	03/17/16 22:06	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-1(0-1)-030916

Lab Sample ID: 500-108575-20

Date Collected: 03/09/16 11:45

Matrix: Solid

Date Received: 03/09/16 16:45

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	☼	03/11/16 13:22	03/17/16 22:06	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2-Methylnaphthalene	7.8	J	37	6.9	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
3,3'-Dichlorobenzidine	<190	*	190	53	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Acenaphthylene	14	J	37	4.9	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Anthracene	16	J	37	6.3	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Benzo[a]anthracene	110	*	37	5.0	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Benzo[a]pyrene	130	*	37	7.3	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Benzo[b]fluoranthene	220	*	37	8.1	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Benzo[g,h,i]perylene	170	*	37	12	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Benzo[k]fluoranthene	81	*	37	11	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Bis(2-ethylhexyl) phthalate	160	J B *	190	69	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Butyl benzyl phthalate	99	J *	190	71	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Carbazole	<190		190	94	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Chrysene	130	*	37	10	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Dibenz(a,h)anthracene	35	J *	37	7.2	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Fluoranthene	120		37	7.0	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-1(0-1)-030916

Lab Sample ID: 500-108575-20

Date Collected: 03/09/16 11:45

Matrix: Solid

Date Received: 03/09/16 16:45

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	87	*	37	9.7	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Phenanthrene	73		37	5.2	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Pyrene	350	*	37	7.5	ug/Kg	☼	03/11/16 13:22	03/17/16 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		35 - 137				03/11/16 13:22	03/17/16 22:06	1
2-Fluorobiphenyl	88		25 - 119				03/11/16 13:22	03/17/16 22:06	1
2-Fluorophenol	82		25 - 110				03/11/16 13:22	03/17/16 22:06	1
Nitrobenzene-d5	75		25 - 115				03/11/16 13:22	03/17/16 22:06	1
Phenol-d5	91		31 - 110				03/11/16 13:22	03/17/16 22:06	1
Terphenyl-d14	195	X *	36 - 134				03/11/16 13:22	03/17/16 22:06	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		03/17/16 15:03	03/18/16 19:58	1
Barium	0.25	J	0.50	0.050	mg/L		03/17/16 15:03	03/18/16 19:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:03	03/18/16 19:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:03	03/18/16 19:58	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:58	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:58	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:58	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:03	03/18/16 19:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:03	03/18/16 19:58	1
Manganese	0.88		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:58	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:03	03/18/16 19:58	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:03	03/18/16 19:58	1
Zinc	0.063	J	0.50	0.020	mg/L		03/17/16 15:03	03/18/16 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		03/18/16 08:38	03/19/16 03:08	1
Barium	0.54	F1	0.50	0.050	mg/L		03/18/16 08:38	03/19/16 03:08	1
Beryllium	0.0062		0.0040	0.0040	mg/L		03/18/16 08:38	03/19/16 03:08	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/18/16 08:38	03/19/16 03:08	1
Chromium	0.16		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:08	1
Cobalt	0.043		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:08	1
Copper	0.18		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:08	1
Iron	190		0.40	0.20	mg/L		03/18/16 08:38	03/19/16 03:08	1
Lead	0.28	F1	0.0075	0.0075	mg/L		03/18/16 08:38	03/19/16 03:08	1
Manganese	1.3	F1	0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:08	1
Nickel	0.16		0.025	0.010	mg/L		03/18/16 08:38	03/19/16 03:08	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:38	03/19/16 03:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Client Sample ID: SD-1(0-1)-030916

Lab Sample ID: 500-108575-20

Date Collected: 03/09/16 11:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.7

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		03/18/16 08:38	03/19/16 03:08	1
Zinc	0.83	F1	0.50	0.020	mg/L		03/18/16 08:38	03/19/16 03:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.95		0.95	0.20	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Arsenic	3.7		0.47	0.22	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Barium	41		0.47	0.087	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Beryllium	0.31		0.19	0.041	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Cadmium	0.14		0.095	0.027	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Calcium	110000		95	31	mg/Kg	☼	03/15/16 09:25	03/17/16 20:44	10
Chromium	9.2	B	2.4	0.082	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Cobalt	4.0		0.24	0.054	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Copper	12		0.47	0.10	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Iron	7200		10	4.0	mg/Kg	☼	03/18/16 15:58	03/19/16 23:32	1
Lead	59		0.24	0.12	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Magnesium	65000		47	19	mg/Kg	☼	03/15/16 09:25	03/17/16 20:44	10
Manganese	390		0.47	0.094	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Nickel	9.8	B	0.47	0.13	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Potassium	590		24	3.9	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Selenium	0.29	J	0.47	0.23	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Silver	<0.24		0.24	0.056	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Sodium	1300		47	6.3	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Vanadium	12		0.24	0.069	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	1
Zinc	59		0.95	0.30	mg/Kg	☼	03/15/16 09:25	03/17/16 06:50	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		03/17/16 16:30	03/18/16 15:18	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		03/18/16 17:45	03/19/16 16:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	58		17	8.8	ug/Kg	☼	03/16/16 15:00	03/17/16 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.27		0.200	0.200	SU			03/11/16 18:16	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108575-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-108575 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 500 Plaza Circle, Ste 200
Wilmington, IL 60060
Phone: 224-864-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.7

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampler		Matrix						
Project Location/State		Lab PM		Date		Time						
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOC	Total Metals	TELP (SPLP) Metals		PH
WESTON SOLUTIONS		02056.014.039.0038		7		7		7		7		
100T039-IL RTE 102				A. Simpson								
WILMINGTON, IL												
1		AL6-4-(0-1)-030916	030916	0840	2 S	S	X	X	X	X	X	
2		AL16-4-(0-1)D-030916		0840	2 S	S	X	X	X	X	X	
3		R17-1-(0-1)-030916		0900	2 S	S	X	X	X	X	X	
4		AL16-3-(0-1)-030916		0910	2 S	S	X	X	X	X	X	
5		AL16-2-(0-1)-030916		0920	2 S	S	X	X	X	X	X	
6		AL16-1-(0-1)-030916		0930	2 S	S	X	X	X	X	X	
7		VL19-3-(0-1)-030916		0940	2 S	S	X	X	X	X	X	
8		R20-2-(0-1)-030916		0950	2 S	S	X	X	X	X	X	
9		R20-1-(0-1)-030916		0955	2 S	S	X	X	X	X	X	
10		VL19-2-(0-1)-030916		1005	2 S	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Rel. Contract Other
 Requested Due Date _____

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

Relinquished By <u>A.S.</u>	Company WESTON	Date 030916	Time 1555	Received By <u>[Signature]</u>	Company [Signature]	Date 3/9/16	Time 1555	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company TA	Date 3/9/16	Time 1645	Received By <u>[Signature]</u>	Company TA-CPE	Date 3/9/16	Time 1645	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 200
Address: Mundelein, IL 60060
Phone: 224-844-7250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108575
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
WESTON SOLUTIONS INC		02056.014.039.0030		7	7	7	7	7			Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		VOC		SVOCs		Total Metals		TECP/SPLP Metals		
Project Location/State		Lab PM		S		S		S		S		
WILMINGTON, IL		D. WRIGHT		S		S		S		S		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOC	SVOCs	Total Metals	TECP/SPLP Metals	PH	Comments
11		VL19-1-(0-1)-030916	030916	1015	2	S	X	X	X	X	X	
12		VL19-1-(0-1)D-030916		1015	2	S	X	X	X	X	X	
13		R21-2-(0-1)-030916		1025	2	S	X	X	X	X	X	
14		R21-1-(0-1)-030916		1035	2	S	X	X	X	X	X	
15		VL22-1-(0-1)-030916		1045	2	S	X	X	X	X	X	
16		AL25-1-(0-1)-030916		1100	2	S	X	X	X	X	X	
17		R26-2-(0-1)-030916		1110	2	S	X	X	X	X	X	
18		R26-1-(0-1)-030916		1120	2	S	X	X	X	X	X	
19		SD-2-(0-1)-030916		1130	2	S	X	X	X	X	X	
20		SD-1-(0-1)-030916		1145	2	S	X	X	X	X	X	

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

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

Relinquished By: <u>A. Sun</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPE</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments: _____

Lab Comments: _____



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: FAP 361: IL 102 John St to Kankakee Cty Line Office Phone Number, if available: _____

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

20000 block of IL 102 (ISGS Site No. 2946-28)

City: Wesley Township 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: 41.246731321 Longitude: -88.092778235
(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: FAP 361: IL 102 John St to Kankakee Cty Line

Latitude: 41.246731321 Longitude: -88.092778235

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 AL28-1 THROUGH AL28-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 2946-28. SEE FIGURES 3-7 AND 3-8 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-108572-1 AND 500-108576-1. ALSO SEE FIGURES 4-7 AND 4-8 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

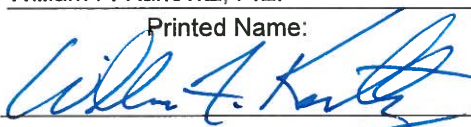
I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with 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:

25 April 2016

Date:



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

Summary Table of ISGS Site No. 2946-28
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL28-1(0-1)-030916	AL28-2(0-1)-030916	AL28-3(0-1)-030916	AL28-4(0-1)-030916	AL28-5(0-1)-030916	AL28-6(0-1)-030916	AL28-6(0-1)-030916D	AL28-7(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	AL28-1	AL28-2	AL28-3	AL28-4	AL28-5	AL28-6	AL28-6	AL28-7	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-28	2946-28	2946-28	2946-28	2946-28	2946-28	2946-28	2946-28	
Parameter									
Laboratory pH (s.u.)	7.89	8.52	8.32	8.38	8.08	8.12	7.92	8.54	<6.25,>9.0
VOCs (ug/kg)	None Detected								
SVOCs (ug/kg)									
Acenaphthene	ND	ND	ND	13 J	ND	ND	ND	ND	570000
Acenaphthylene	33 J	27 J	5.4 J	230	7.5 J	ND	ND	ND	---
Anthracene	13 J	19 J	9.3 J	83	7.2 J	ND	6.2 J	8.7 J	1.20E+07
Benzo(a)anthracene	100 J	94 J	100 J	510 J	45 J	29 J	30 J	36 J	900 / 1100 / 1800
Benzo(a)pyrene	150 J	130 J	140 J	470 J	61 J	48 J	52 J	50	90 / 1300 / 2100
Benzo(b)fluoranthene	250 J	180 J	160 J	610 J	73 J	110 J	96 J	100	900 / 1500 / 2100
Benzo(g,h,i)perylene	91 J	170 J	110 J	380 J	70 J	30 J	43 J	31 J	---
Benzo(k)fluoranthene	75 J	54 J	57 J	260 J	29 J	ND	27 J	29 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	85 J	ND	ND	ND	ND	ND	46000
Chrysene	120 J	100 J	130 J	510 J	64 J	45 J	34 J	53	88000
Fluoranthene	110	84	110	480	48	55	60	88	3100000
Fluorene	ND	ND	ND	29 J	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	95 J	120 J	85 J	310 J	ND	ND	32 J	27 J	900 / 900 / 1600
Phenanthrene	26 J	42	40	320	27 J	20 J	29 J	29 J	---
Pyrene	260 J	260 J	340 J	1800 J	130 J	100 J+	110 J	66	2300000
Total Metals (mg/kg)									
Antimony, Total	ND	ND	ND	ND	ND	0.27 J	ND	ND	5
Arsenic, Total	2.9 J	4.8	12	2.6	4.2	1.9 J	1.9 J	2.7 J	11.3 / 13
Barium, Total	74 J	33	56	29	62	29 J	33 J	57 J	1500
Beryllium, Total	0.36	0.3	0.62	0.24	0.37	0.2 J	0.2 J	0.26	22
Cadmium, Total	0.2	0.072 J	ND	0.094 J	0.13	0.13	0.14	0.12	5.2
Calcium, Total	93000 J-	97000 ^	12000	97000 ^	32000	120000 J-	110000 J-	66000 J-	---
Chromium, Total	11 J	12 B	16 B	14 B	11 B	8.5 J	13 J	13 J	21
Cobalt, Total	5.3	4.6	10	3.7	5.3	2.7	2.7	4.2	20
Copper, Total	12 J	9.5	21	7.9	11	13 J	15 J	15 J	2900
Iron, Total	9600 J	9700 B	22000 B	7600 B	10000 B	6900 J	6300 J	7400 J	15000 / 15900
Lead, Total	43 J	41	29	38	25	20 J	42 J	43 J	107
Magnesium, Total	51000 J-	45000 B	8400 B	46000 B	19000 B	76000 J-	69000 J-	35000 J-	325000
Manganese, Total	530 J-	360	470	310	380	320 J-	320 J-	310 J-	630 / 636
Mercury, Total	0.021	0.023	0.049	0.035	0.032	0.012 J	0.027	0.018	0.89
Nickel, Total	9.1 J	11 B	25 B	8.7 B	12 B	7.7 J	7.4 J	8.4 J	100
Potassium, Total	890 J+	660	1000	550	710	740 J+	600 J+	670 J+	---
Selenium, Total	0.46 J	ND	0.88	0.47 J	0.63	0.45 J	ND	0.6	1.3
Sodium, Total	1800 J+	890	2000	930	1100	1200 J+	1400 J+	1300 J+	---
Vanadium, Total	12	11	22	11	15	8.9	10	11	550
Zinc, Total	59 J	46	71	39	54	50 J	54 J	47 J	5100

Summary Table of ISGS Site No. 2946-28
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 361: Illinois Route 102 from John Street to Kankakee County Line
Wilmington and Ritchie, Will County, Illinois

Field Sample ID	AL28-1(0-1)-030916	AL28-2(0-1)-030916	AL28-3(0-1)-030916	AL28-4(0-1)-030916	AL28-5(0-1)-030916	AL28-6(0-1)-030916	AL28-6(0-1)-030916D	AL28-7(0-1)-030916	Soil Reference Concentrations ^A
Sample Date	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	
Location ID	AL28-1	AL28-2	AL28-3	AL28-4	AL28-5	AL28-6	AL28-6	AL28-7	
Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	
ISGS Site No.	2946-28	2946-28	2946-28	2946-28	2946-28	2946-28	2946-28	2946-28	
Parameter									
TCLP Metals (mg/l)									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.26 J	0.22 J	0.25 J	0.28 J	0.37 J	0.28 J	0.42 J	0.36 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0023 J	ND	ND	ND	ND	ND	0.0024 J	0.0023 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	0.011 J	ND	ND	ND	ND	ND	0.018 J	ND	0.65
Iron, TCLP	ND	0.73	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1 J+	0.15	0.83	0.81	0.57	1.4 J+	1.3 J+	1.3 J+	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.073 J	0.32 J	0.058 J	0.11 J	0.38 J	0.11 J	0.11 J	0.059 J	5
SPLP Metals (mg/l)									
Arsenic, SPLP	0.031 J	0.036 J	0.077	0.037 J	0.036 J	0.039 J	0.032 J	0.039 J	0.05
Barium, SPLP	0.34 J	0.42 J	0.54	0.52	0.64	0.57	0.48 J	0.6	2
Beryllium, SPLP	ND	0.0041	0.0067	0.0045	0.0049	0.0055	0.0046	0.0057	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.099	0.12	0.17	0.13	0.14	0.14	0.12	0.13	0.1
Cobalt, SPLP	0.019 J	0.029	0.045	0.031	0.029	0.027	0.023 J	0.028	1
Copper, SPLP	0.083	0.091	0.18	0.1	0.11	0.12	0.11	0.14	0.65
Iron, SPLP	98 J+	130 J+	220 J+	130 J+	140 J+	140 J+	120 J+	140 J+	5
Lead, SPLP	0.13	0.21	0.21	0.13	0.18	0.12	0.12	0.14	0.0075
Manganese, SPLP	0.77 B	1.3	1.1	1.1	1	0.89 B	0.81 B	1.1 B	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.076	0.11	0.19	0.11	0.11	0.11	0.096	0.11	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.43 J	0.8 J+	2.2 J+	0.9 J+	0.82 J+	0.65	0.57	0.6	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.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

B - Constituent detected in the blank and investigative sample.

[^] - Instrument related Quality Control (QC) outside of acceptance limits.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
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TestAmerica Job ID: 500-108572-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/21/2016 1:27:13 PM

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-2(0-1)-030916

Lab Sample ID: 500-108572-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Acenaphthylene	27 J		37	4.9	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Anthracene	19 J		37	6.2	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Benzo[a]anthracene	94 *		37	5.0	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Benzo[a]pyrene	130 *		37	7.2	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Benzo[b]fluoranthene	180 *		37	8.0	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Benzo[g,h,i]perylene	170 *		37	12	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Benzo[k]fluoranthene	54 *		37	11	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Bis(2-ethylhexyl) phthalate	<190 *		190	68	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Butyl benzyl phthalate	<190 *		190	71	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Carbazole	<190		190	93	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Chrysene	100 *		37	10	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Dibenz(a,h)anthracene	<37 *		37	7.2	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Fluoranthene	84		37	6.9	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-2(0-1)-030916

Lab Sample ID: 500-108572-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	120	*	37	9.6	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Phenanthrene	42		37	5.2	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Pyrene	260	*	37	7.4	ug/Kg	☼	03/11/16 07:06	03/15/16 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137				03/11/16 07:06	03/15/16 22:32	1
2-Fluorobiphenyl	93		25 - 119				03/11/16 07:06	03/15/16 22:32	1
2-Fluorophenol	92		25 - 110				03/11/16 07:06	03/15/16 22:32	1
Nitrobenzene-d5	82		25 - 115				03/11/16 07:06	03/15/16 22:32	1
Phenol-d5	90		31 - 110				03/11/16 07:06	03/15/16 22:32	1
Terphenyl-d14	193	X *	36 - 134				03/11/16 07:06	03/15/16 22:32	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		03/16/16 14:56	03/17/16 20:30	1
Barium	0.22	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 20:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 20:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 20:30	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:30	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:30	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:30	1
Iron	0.73		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 20:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 20:30	1
Manganese	0.15		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:30	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:30	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 20:30	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:30	1
Zinc	0.32	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:10	1
Barium	0.42	J	0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:10	1
Beryllium	0.0041		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:10	1
Chromium	0.12		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:10	1
Cobalt	0.029		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:10	1
Copper	0.091		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:10	1
Iron	130		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:15	1
Lead	0.21		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 22:15	1
Manganese	1.3		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:10	1
Nickel	0.11		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-2(0-1)-030916

Lab Sample ID: 500-108572-4

Date Collected: 03/09/16 09:10

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.4

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		03/16/16 15:01	03/18/16 07:10	1
Zinc	0.80	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Arsenic	4.8		0.57	0.26	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Barium	33		0.57	0.10	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Beryllium	0.30		0.23	0.049	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Cadmium	0.072	J	0.11	0.033	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Calcium	97000	^	110	37	mg/Kg	☼	03/14/16 14:56	03/16/16 08:39	10
Chromium	12	B	2.9	0.098	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Cobalt	4.6		0.29	0.065	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Copper	9.5		0.57	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Iron	9700	B	11	4.4	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Lead	41		0.29	0.14	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Magnesium	45000	B	5.7	2.3	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Manganese	360		0.57	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Nickel	11	B	0.57	0.15	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Potassium	660		29	4.7	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Sodium	890		57	7.5	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Vanadium	11		0.29	0.083	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	1
Zinc	46		1.1	0.36	mg/Kg	☼	03/14/16 14:56	03/15/16 12:48	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		03/16/16 16:00	03/17/16 16:57	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		03/17/16 16:30	03/18/16 12:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.52		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-3(0-1)-030916

Lab Sample ID: 500-108572-5

Date Collected: 03/09/16 09:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 82.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		03/11/16 01:06	1
Benzene	<6.1		6.1	1.3	ug/Kg	☼		03/11/16 01:06	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		03/11/16 01:06	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		03/11/16 01:06	1
Bromomethane	<6.1	*	6.1	2.2	ug/Kg	☼		03/11/16 01:06	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		03/11/16 01:06	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		03/11/16 01:06	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		03/11/16 01:06	1
Chloroethane	<6.1		6.1	2.5	ug/Kg	☼		03/11/16 01:06	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		03/11/16 01:06	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		03/11/16 01:06	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		03/11/16 01:06	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		03/11/16 01:06	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		03/11/16 01:06	1
1,1-Dichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/11/16 01:06	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		03/11/16 01:06	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		03/11/16 01:06	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		03/11/16 01:06	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		03/11/16 01:06	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		03/11/16 01:06	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		03/11/16 01:06	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		03/11/16 01:06	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		03/11/16 01:06	1
methyl isobutyl ketone	<6.1		6.1	1.2	ug/Kg	☼		03/11/16 01:06	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		03/11/16 01:06	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		03/11/16 01:06	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.96	ug/Kg	☼		03/11/16 01:06	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		03/11/16 01:06	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		03/11/16 01:06	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		03/11/16 01:06	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		03/11/16 01:06	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		03/11/16 01:06	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		03/11/16 01:06	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		03/11/16 01:06	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		03/11/16 01:06	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		03/11/16 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 01:06	1
Dibromofluoromethane	99		75 - 120		03/11/16 01:06	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134		03/11/16 01:06	1
Toluene-d8 (Surr)	111		75 - 122		03/11/16 01:06	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	☼	03/11/16 07:06	03/15/16 23:01	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-3(0-1)-030916

Lab Sample ID: 500-108572-5

Date Collected: 03/09/16 09:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2-Methylphenol	<200		200	63	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
3,3'-Dichlorobenzidine	<200 *		200	55	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Acenaphthylene	5.4 J		39	5.2	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Anthracene	9.3 J		39	6.6	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Benzo[a]anthracene	100 *		39	5.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Benzo[a]pyrene	140 *		39	7.7	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Benzo[b]fluoranthene	160 *		39	8.5	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Benzo[g,h,i]perylene	110 *		39	13	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Benzo[k]fluoranthene	57 *		39	12	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Bis(2-ethylhexyl) phthalate	85 J *		200	72	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Butyl benzyl phthalate	<200 *		200	75	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Carbazole	<200		200	99	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Chrysene	130 *		39	11	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Dibenz(a,h)anthracene	<39 *		39	7.6	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Dibenzofuran	<200		200	46	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Fluoranthene	110		39	7.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Fluorene	<39		39	5.6	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Hexachloroethane	<200		200	60	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-3(0-1)-030916

Lab Sample ID: 500-108572-5

Date Collected: 03/09/16 09:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 82.5

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	85	*	39	10	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Isophorone	<200		200	44	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Naphthalene	<39		39	6.1	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Phenanthrene	40		39	5.5	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Phenol	<200		200	88	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Pyrene	340	*	39	7.9	ug/Kg	☼	03/11/16 07:06	03/15/16 23:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 137				03/11/16 07:06	03/15/16 23:01	1
2-Fluorobiphenyl	99		25 - 119				03/11/16 07:06	03/15/16 23:01	1
2-Fluorophenol	95		25 - 110				03/11/16 07:06	03/15/16 23:01	1
Nitrobenzene-d5	85		25 - 115				03/11/16 07:06	03/15/16 23:01	1
Phenol-d5	94		31 - 110				03/11/16 07:06	03/15/16 23:01	1
Terphenyl-d14	204	X *	36 - 134				03/11/16 07:06	03/15/16 23:01	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		03/16/16 14:56	03/17/16 20:35	1
Barium	0.25	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 20:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 20:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 20:35	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:35	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:35	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:35	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 20:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 20:35	1
Manganese	0.83		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:35	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 20:35	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:35	1
Zinc	0.058	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:15	1
Barium	0.54		0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:15	1
Beryllium	0.0067		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:15	1
Chromium	0.17		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:15	1
Cobalt	0.045		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:15	1
Copper	0.18		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:15	1
Iron	220		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:20	1
Lead	0.21		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 07:15	1
Manganese	1.1		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:15	1
Nickel	0.19		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-3(0-1)-030916

Lab Sample ID: 500-108572-5

Date Collected: 03/09/16 09:20

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 82.5

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		03/16/16 15:01	03/18/16 07:15	1
Zinc	2.2	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Arsenic	12		0.59	0.27	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Barium	56		0.59	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Beryllium	0.62		0.23	0.051	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Cadmium	<0.12		0.12	0.034	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Calcium	12000		12	3.8	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Chromium	16	B	2.9	0.10	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Cobalt	10		0.29	0.066	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Copper	21		0.59	0.13	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Iron	22000	B	12	4.5	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Lead	29		0.29	0.15	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Magnesium	8400	B	5.9	2.4	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Manganese	470		0.59	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Nickel	25	B	0.59	0.16	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Potassium	1000		29	4.8	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Selenium	0.88		0.59	0.29	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Sodium	2000		59	7.7	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Vanadium	22		0.29	0.085	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	1
Zinc	71		1.2	0.37	mg/Kg	☼	03/14/16 14:56	03/15/16 12:53	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		03/16/16 16:00	03/17/16 16:59	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		03/17/16 16:30	03/18/16 12:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	49		19	10	ug/Kg	☼	03/16/16 15:00	03/17/16 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.32		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-4(0-1)-030916

Lab Sample ID: 500-108572-6

Date Collected: 03/09/16 09:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 01:31	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 01:31	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/11/16 01:31	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:31	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/11/16 01:31	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 01:31	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:31	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 01:31	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 01:31	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:31	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 01:31	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/11/16 01:31	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:31	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/11/16 01:31	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 01:31	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 01:31	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 01:31	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 01:31	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 01:31	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 01:31	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:31	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/11/16 01:31	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:31	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 01:31	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 01:31	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 01:31	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 01:31	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 01:31	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:31	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/11/16 01:31	1
Dibromofluoromethane	99		75 - 120		03/11/16 01:31	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/11/16 01:31	1
Toluene-d8 (Surr)	112		75 - 122		03/11/16 01:31	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	☼	03/11/16 07:06	03/15/16 23:31	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-4(0-1)-030916

Lab Sample ID: 500-108572-6

Date Collected: 03/09/16 09:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2-Methylnaphthalene	<38		38	6.9	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Acenaphthene	13	J	38	6.8	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Acenaphthylene	230		38	5.0	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Anthracene	83		38	6.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Benzo[a]anthracene	510	*	38	5.1	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Benzo[a]pyrene	470	*	38	7.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Benzo[b]fluoranthene	610	*	38	8.2	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Benzo[g,h,i]perylene	380	*	38	12	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Benzo[k]fluoranthene	260	*	38	11	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Bis(2-ethylhexyl) phthalate	<190 *		190	69	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Butyl benzyl phthalate	<190 *		190	72	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Carbazole	<190		190	94	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Chrysene	510	*	38	10	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Dibenz(a,h)anthracene	<38 *		38	7.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Fluoranthene	480		38	7.0	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Fluorene	29	J	38	5.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-4(0-1)-030916

Lab Sample ID: 500-108572-6

Date Collected: 03/09/16 09:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	310	*	38	9.8	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Naphthalene	<38		38	5.8	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Phenanthrene	320		38	5.3	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Phenol	<190		190	84	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Pyrene	1800	*	38	7.5	ug/Kg	☼	03/11/16 07:06	03/15/16 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				03/11/16 07:06	03/15/16 23:31	1
2-Fluorobiphenyl	102		25 - 119				03/11/16 07:06	03/15/16 23:31	1
2-Fluorophenol	97		25 - 110				03/11/16 07:06	03/15/16 23:31	1
Nitrobenzene-d5	89		25 - 115				03/11/16 07:06	03/15/16 23:31	1
Phenol-d5	97		31 - 110				03/11/16 07:06	03/15/16 23:31	1
Terphenyl-d14	198	X *	36 - 134				03/11/16 07:06	03/15/16 23:31	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		03/16/16 14:56	03/17/16 20:49	1
Barium	0.28	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 20:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 20:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 20:49	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:49	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:49	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 20:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 20:49	1
Manganese	0.81		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:49	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 20:49	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:49	1
Zinc	0.11	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:20	1
Barium	0.52		0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:20	1
Beryllium	0.0045		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:20	1
Chromium	0.13		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:20	1
Cobalt	0.031		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:20	1
Copper	0.10		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:20	1
Iron	130		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:24	1
Lead	0.13		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 07:20	1
Manganese	1.1		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:20	1
Nickel	0.11		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-4(0-1)-030916

Lab Sample ID: 500-108572-6

Date Collected: 03/09/16 09:30

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.2

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		03/16/16 15:01	03/18/16 07:20	1
Zinc	0.90	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Arsenic	2.6		0.55	0.25	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Barium	29		0.55	0.10	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Beryllium	0.24		0.22	0.047	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Cadmium	0.094	J	0.11	0.032	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Calcium	97000	^	110	35	mg/Kg	☼	03/14/16 14:56	03/16/16 08:43	10
Chromium	14	B	2.7	0.094	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Cobalt	3.7		0.27	0.062	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Copper	7.9		0.55	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Iron	7600	B	11	4.2	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Lead	38		0.27	0.14	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Magnesium	46000	B	5.5	2.2	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Manganese	310		0.55	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Nickel	8.7	B	0.55	0.15	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Potassium	550		27	4.5	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Selenium	0.47	J	0.55	0.27	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Sodium	930		55	7.2	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Vanadium	11		0.27	0.080	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1
Zinc	39		1.1	0.35	mg/Kg	☼	03/14/16 14:56	03/15/16 12:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		03/16/16 16:00	03/17/16 17:01	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		03/17/16 16:30	03/19/16 12:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	35		18	9.3	ug/Kg	☼	03/16/16 15:00	03/17/16 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.38		0.200	0.200	SU			03/11/16 00:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-5(0-1)-030916

Lab Sample ID: 500-108572-7

Date Collected: 03/09/16 09:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/11/16 01:56	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 01:56	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		03/11/16 01:56	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:56	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/11/16 01:56	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 01:56	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:56	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/11/16 01:56	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 01:56	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:56	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 01:56	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/11/16 01:56	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:56	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/11/16 01:56	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 01:56	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/11/16 01:56	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 01:56	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/11/16 01:56	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/11/16 01:56	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/11/16 01:56	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:56	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/11/16 01:56	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/11/16 01:56	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/11/16 01:56	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 01:56	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/11/16 01:56	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/11/16 01:56	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/11/16 01:56	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/11/16 01:56	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/11/16 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 122		03/11/16 01:56	1
Dibromofluoromethane	98		75 - 120		03/11/16 01:56	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		03/11/16 01:56	1
Toluene-d8 (Surr)	113		75 - 122		03/11/16 01:56	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	☼	03/11/16 07:06	03/16/16 00:01	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-5(0-1)-030916

Lab Sample ID: 500-108572-7

Date Collected: 03/09/16 09:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Acenaphthylene	7.5 J		37	4.9	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Anthracene	7.2 J		37	6.2	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Benzo[a]anthracene	45 *		37	5.0	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Benzo[a]pyrene	61 *		37	7.2	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Benzo[b]fluoranthene	73 *		37	8.0	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Benzo[g,h,i]perylene	70 *		37	12	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Benzo[k]fluoranthene	29 J *		37	11	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Bis(2-ethylhexyl) phthalate	<190 *		190	68	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Butyl benzyl phthalate	<190 *		190	71	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Carbazole	<190		190	93	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Chrysene	64 *		37	10	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Dibenz(a,h)anthracene	<37 *		37	7.2	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Fluoranthene	48		37	6.9	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-5(0-1)-030916

Lab Sample ID: 500-108572-7

Date Collected: 03/09/16 09:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

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	<37	*	37	9.6	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Phenanthrene	27	J	37	5.2	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Phenol	<190		190	82	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1
Pyrene	130	*	37	7.4	ug/Kg	☼	03/11/16 07:06	03/16/16 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		35 - 137	03/11/16 07:06	03/16/16 00:01	1
2-Fluorobiphenyl	105		25 - 119	03/11/16 07:06	03/16/16 00:01	1
2-Fluorophenol	95		25 - 110	03/11/16 07:06	03/16/16 00:01	1
Nitrobenzene-d5	87		25 - 115	03/11/16 07:06	03/16/16 00:01	1
Phenol-d5	95		31 - 110	03/11/16 07:06	03/16/16 00:01	1
Terphenyl-d14	192	X*	36 - 134	03/11/16 07:06	03/16/16 00:01	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		03/16/16 14:56	03/17/16 20:54	1
Barium	0.37	J	0.50	0.050	mg/L		03/16/16 14:56	03/17/16 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/16/16 14:56	03/17/16 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 14:56	03/17/16 20:54	1
Chromium	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:54	1
Copper	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:54	1
Iron	<0.40		0.40	0.20	mg/L		03/16/16 14:56	03/17/16 20:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/16/16 14:56	03/17/16 20:54	1
Manganese	0.57		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:54	1
Nickel	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 14:56	03/17/16 20:54	1
Silver	<0.025		0.025	0.010	mg/L		03/16/16 14:56	03/17/16 20:54	1
Zinc	0.38	J	0.50	0.020	mg/L		03/16/16 14:56	03/17/16 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		03/16/16 15:01	03/18/16 07:25	1
Barium	0.64		0.50	0.050	mg/L		03/16/16 15:01	03/18/16 07:25	1
Beryllium	0.0049		0.0040	0.0040	mg/L		03/16/16 15:01	03/18/16 07:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/16/16 15:01	03/18/16 07:25	1
Chromium	0.14		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:25	1
Cobalt	0.029		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:25	1
Copper	0.11		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:25	1
Iron	140		0.40	0.20	mg/L		03/16/16 15:01	03/18/16 22:29	1
Lead	0.18		0.0075	0.0075	mg/L		03/16/16 15:01	03/18/16 22:29	1
Manganese	1.0		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:25	1
Nickel	0.11		0.025	0.010	mg/L		03/16/16 15:01	03/18/16 07:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/16/16 15:01	03/18/16 07:25	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Client Sample ID: AL28-5(0-1)-030916

Lab Sample ID: 500-108572-7

Date Collected: 03/09/16 09:45

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.6

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		03/16/16 15:01	03/18/16 07:25	1
Zinc	0.82	B	0.50	0.020	mg/L		03/16/16 15:01	03/18/16 07:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Arsenic	4.2		0.57	0.27	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Barium	62		0.57	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Beryllium	0.37		0.23	0.050	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Cadmium	0.13		0.11	0.033	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Calcium	32000		11	3.7	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Chromium	11	B	2.9	0.099	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Cobalt	5.3		0.29	0.065	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Copper	11		0.57	0.12	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Iron	10000	B	11	4.4	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Lead	25		0.29	0.14	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Magnesium	19000	B	5.7	2.3	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Manganese	380		0.57	0.11	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Nickel	12	B	0.57	0.16	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Potassium	710		29	4.7	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Selenium	0.63		0.57	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Sodium	1100		57	7.6	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Vanadium	15		0.29	0.084	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	1
Zinc	54		1.1	0.36	mg/Kg	☼	03/14/16 14:56	03/15/16 13:03	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		03/16/16 16:00	03/17/16 17:03	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		03/17/16 16:30	03/19/16 16:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		18	9.6	ug/Kg	☼	03/16/16 15:00	03/17/16 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08		0.200	0.200	SU			03/11/16 00:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108572-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 601
Phone: 708.534.5200 Fax: 708.534.



500-108572 COC

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 201
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter										Preservative Key	
Weston																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #															
IDOT 034																	
Project Location/State		Lab Project #															
Wilmington, IL																	
Sampler		Lab PM															
A. Tuckasz		Dick Wright															
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOE	SVOC	Total Metals	TCLP/ SPLP Metals	pH						Comments
1		R30-1(0-1)-030916	3/9/16	0843	2	S	X	X	X	X	X						
2		R30-1(0-1)-030916D	3/9/16	0843	2	S	X	X	X	X	X						
3		R30-2(0-1)-030916	3/9/16	0859	2	S	X	X	X	X	X						
4		AL28-2(0-1)-030916	3/9/16	0910	2	S	X	X	X	X	X						
5		AL28-3(0-1)-030916	3/9/16	0920	2	S	X	X	X	X	X						
6		AL28-4(0-1)-030916	3/9/16	0930	2	S	X	X	X	X	X						
7		AL28-5(0-1)-030916	3/9/16	0945	2	S	X	X	X	X	X						
8		R24-1(0-1)-030916	3/9/16	0955	2	S	X	X	X	X	X						
9		R24-2(0-1)-030916	3/9/16	1005	2	S	X	X	X	X	X						
10		R24-3(0-1)-030916	3/9/16	1015	2	S	X	X	X	X	X						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>TA-CRT</u>	Date <u>3/9/16</u>	Time <u>1645</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babasukumar
Company: Weston Solutions
Address: 300 plaza Cir, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108572

Chain of Custody Number: _____

Page 2 of 5

Temperature °C of Cooler: 2.4

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers	Matrix	VOC	SVOC	Total Metals	TCUP / SLP Metals	PH							Comments
<u>IDOT 039</u>				Date	Time														
Lab ID	MS/MSD	Sample ID																	
<u>11</u>		<u>R24-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1025</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>12</u>		<u>R24-8(0-1)-030916</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>13</u>		<u>R24-5(0-1)-030916D</u>		<u>3/9/16</u>	<u>1040</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>14</u>		<u>R24-6(0-1)-030916</u>		<u>3/9/16</u>	<u>1100</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>15</u>		<u>R23-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1105</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>16</u>		<u>R23-2(0-1)-030916</u>		<u>3/9/16</u>	<u>1110</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>17</u>		<u>R23-3(0-1)-030916</u>		<u>3/9/16</u>	<u>1120</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>18</u>		<u>R23-4(0-1)-030916</u>		<u>3/9/16</u>	<u>1125</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>19</u>		<u>R23-5(0-1)-030916</u>		<u>3/9/16</u>	<u>1132</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>20</u>		<u>KR-1(0-1)-030916</u>		<u>3/9/16</u>	<u>1138</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By <u>Abdul M. Tahir</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1555</u>
Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>3/9/16</u>	Time <u>1645</u>

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

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: 500-108576-1
Client Project/Site: IDOT - IL Route 102 - WO 039

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

Attn: Mr. S. Babusukumar



Authorized for release by:
3/22/2016 1:20:21 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916

Lab Sample ID: 500-108576-1

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 11:20	1
Benzene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
Bromodichloromethane	<5.7	F1	5.7	0.95	ug/Kg	☼		03/12/16 11:20	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 11:20	1
Bromomethane	<5.7	* F1	5.7	2.1	ug/Kg	☼		03/12/16 11:20	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 11:20	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 11:20	1
Chlorobenzene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
Chloroethane	<5.7	F1	5.7	2.4	ug/Kg	☼		03/12/16 11:20	1
Chloroform	<5.7	F1	5.7	1.1	ug/Kg	☼		03/12/16 11:20	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 11:20	1
cis-1,2-Dichloroethene	<5.7	F1	5.7	1.2	ug/Kg	☼		03/12/16 11:20	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
Dibromochloromethane	<5.7	F1	5.7	0.65	ug/Kg	☼		03/12/16 11:20	1
1,1-Dichloroethane	<5.7	F1	5.7	1.2	ug/Kg	☼		03/12/16 11:20	1
1,2-Dichloroethane	<5.7	F1	5.7	0.84	ug/Kg	☼		03/12/16 11:20	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 11:20	1
1,2-Dichloropropane	<5.7	F1	5.7	1.5	ug/Kg	☼		03/12/16 11:20	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 11:20	1
Ethylbenzene	<5.7	F1	5.7	1.4	ug/Kg	☼		03/12/16 11:20	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/12/16 11:20	1
Methylene Chloride	<5.7	F1	5.7	4.3	ug/Kg	☼		03/12/16 11:20	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 11:20	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 11:20	1
Methyl tert-butyl ether	<5.7	F1	5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
Styrene	<5.7	F1	5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
1,1,2,2-Tetrachloroethane	<5.7	F1	5.7	0.90	ug/Kg	☼		03/12/16 11:20	1
Tetrachloroethene	<5.7	F1	5.7	1.2	ug/Kg	☼		03/12/16 11:20	1
Toluene	<5.7	F1	5.7	2.0	ug/Kg	☼		03/12/16 11:20	1
trans-1,2-Dichloroethene	<5.7	F1	5.7	1.4	ug/Kg	☼		03/12/16 11:20	1
trans-1,3-Dichloropropene	<5.7	F1	5.7	1.6	ug/Kg	☼		03/12/16 11:20	1
1,1,1-Trichloroethane	<5.7	F1	5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
1,1,2-Trichloroethane	<5.7	F1	5.7	1.1	ug/Kg	☼		03/12/16 11:20	1
Trichloroethene	<5.7	F1	5.7	1.5	ug/Kg	☼		03/12/16 11:20	1
Vinyl chloride	<5.7	F1	5.7	1.3	ug/Kg	☼		03/12/16 11:20	1
Xylenes, Total	<11	F1	11	2.1	ug/Kg	☼		03/12/16 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/12/16 11:20	1
Dibromofluoromethane	100		75 - 120		03/12/16 11:20	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134		03/12/16 11:20	1
Toluene-d8 (Surr)	109		75 - 122		03/12/16 11:20	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	☼	03/11/16 15:19	03/18/16 01:21	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,2'-oxybis[1-chloropropane]	<190	*	190	43	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916

Lab Sample ID: 500-108576-1

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.4

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	84	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,4-Dinitrophenol	<750	F1	750	650	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
3,3'-Dichlorobenzidine	<190	* F1	190	52	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4,6-Dinitro-2-methylphenol	<750	F1	750	300	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Anthracene	<37		37	6.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Benzo[a]anthracene	29	J *	37	5.0	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Benzo[a]pyrene	48	*	37	7.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Benzo[b]fluoranthene	110	*	37	8.0	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Benzo[g,h,i]perylene	30	J *	37	12	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Benzo[k]fluoranthene	<37	*	37	11	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Bis(2-chloroethyl)ether	<190	F1 F2	190	55	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Bis(2-ethylhexyl) phthalate	150	J B * F1	190	68	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Butyl benzyl phthalate	<190	* F1	190	70	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Carbazole	<190		190	92	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Chrysene	45	*	37	10	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Dibenz(a,h)anthracene	<37	*	37	7.1	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Di-n-octyl phthalate	<190	F1	190	60	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Fluoranthene	55		37	6.9	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Hexachlorocyclopentadiene	<750	F1	750	210	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Hexachloroethane	<190	F1	190	56	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916

Lab Sample ID: 500-108576-1

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.4

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	<37	*	37	9.6	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Phenanthrene	20	J	37	5.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Phenol	<190		190	82	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1
Pyrene	100	* F1	37	7.3	ug/Kg	☼	03/11/16 15:19	03/18/16 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137	03/11/16 15:19	03/18/16 01:21	1
2-Fluorobiphenyl	76		25 - 119	03/11/16 15:19	03/18/16 01:21	1
2-Fluorophenol	83		25 - 110	03/11/16 15:19	03/18/16 01:21	1
Nitrobenzene-d5	71		25 - 115	03/11/16 15:19	03/18/16 01:21	1
Phenol-d5	82		31 - 110	03/11/16 15:19	03/18/16 01:21	1
Terphenyl-d14	154	X *	36 - 134	03/11/16 15:19	03/18/16 01:21	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		03/17/16 15:05	03/18/16 17:19	1
Barium	0.28	J	0.50	0.050	mg/L		03/17/16 15:05	03/18/16 17:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:05	03/18/16 17:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/17/16 15:05	03/18/16 17:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:19	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:19	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:05	03/18/16 17:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:05	03/18/16 17:19	1
Manganese	1.4		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:19	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:05	03/18/16 17:19	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:19	1
Zinc	0.11	J	0.50	0.020	mg/L		03/17/16 15:05	03/18/16 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.039	J	0.050	0.010	mg/L		03/18/16 08:40	03/19/16 03:49	1
Barium	0.57		0.50	0.050	mg/L		03/18/16 08:40	03/19/16 03:49	1
Beryllium	0.0055		0.0040	0.0040	mg/L		03/18/16 08:40	03/19/16 03:49	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		03/18/16 08:40	03/19/16 03:49	1
Chromium	0.14		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:49	1
Cobalt	0.027		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:49	1
Copper	0.12		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:49	1
Iron	140		0.40	0.20	mg/L		03/18/16 08:40	03/19/16 03:49	1
Lead	0.12		0.038	0.038	mg/L		03/18/16 08:40	03/19/16 19:48	5
Manganese	0.89	B	0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:49	1
Nickel	0.11		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:40	03/19/16 03:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916

Lab Sample ID: 500-108576-1

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 88.4

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		03/18/16 08:40	03/19/16 03:49	1
Zinc	0.65		0.50	0.020	mg/L		03/18/16 08:40	03/19/16 03:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J F1	1.1	0.23	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Arsenic	1.9		0.56	0.26	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Barium	29		2.8	0.51	mg/Kg	☼	03/16/16 09:16	03/18/16 22:32	5
Beryllium	0.20	J	0.23	0.049	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Cadmium	0.13		0.11	0.033	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Calcium	12000	B	56	18	mg/Kg	☼	03/16/16 09:16	03/18/16 22:32	5
Chromium	8.5		0.56	0.097	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Cobalt	2.7		0.28	0.064	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Copper	13		0.56	0.12	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Iron	6900		11	4.3	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Lead	20	F1	0.28	0.14	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Magnesium	76000	B	28	11	mg/Kg	☼	03/16/16 09:16	03/18/16 22:32	5
Manganese	320		2.8	0.56	mg/Kg	☼	03/16/16 09:16	03/18/16 22:32	5
Nickel	7.7		0.56	0.15	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Potassium	740	F1	140	23	mg/Kg	☼	03/16/16 09:16	03/18/16 22:32	5
Selenium	0.45	J	0.56	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Sodium	1200	B F1	56	7.4	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Vanadium	8.9		0.28	0.082	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	1
Zinc	50	F1	1.1	0.36	mg/Kg	☼	03/16/16 09:16	03/17/16 22:49	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		03/17/16 16:30	03/18/16 15:32	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		03/18/16 17:45	03/19/16 13:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	17	8.8	ug/Kg	☼	03/16/16 15:00	03/17/16 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12		0.200	0.200	SU			03/11/16 18:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916D

Lab Sample ID: 500-108576-2

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/12/16 12:36	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 12:36	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/12/16 12:36	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 12:36	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/12/16 12:36	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 12:36	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 12:36	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/12/16 12:36	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 12:36	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 12:36	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 12:36	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		03/12/16 12:36	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 12:36	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/12/16 12:36	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 12:36	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 12:36	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 12:36	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/12/16 12:36	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/12/16 12:36	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 12:36	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 12:36	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/12/16 12:36	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 12:36	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/12/16 12:36	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 12:36	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 12:36	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 12:36	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 12:36	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 12:36	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/12/16 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122		03/12/16 12:36	1
Dibromofluoromethane	99		75 - 120		03/12/16 12:36	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		03/12/16 12:36	1
Toluene-d8 (Surr)	112		75 - 122		03/12/16 12:36	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	☼	03/11/16 15:19	03/18/16 01:50	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,2'-oxybis[1-chloropropane]	<190 *		190	43	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916D

Lab Sample ID: 500-108576-2

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.3

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	84	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2-Methylphenol	<190		190	59	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
3,3'-Dichlorobenzidine	<190 *		190	52	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Anthracene	6.2 J		37	6.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Benzo[a]anthracene	30 J *		37	5.0	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Benzo[a]pyrene	52 *		37	7.1	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Benzo[b]fluoranthene	96 *		37	8.0	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Benzo[g,h,i]perylene	43 *		37	12	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Benzo[k]fluoranthene	27 J *		37	11	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Bis(2-ethylhexyl) phthalate	170 J B *		190	67	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Butyl benzyl phthalate	<190 *		190	70	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Carbazole	<190		190	92	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Chrysene	34 J *		37	10	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Dibenz(a,h)anthracene	<37 *		37	7.1	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Dibenzofuran	<190		190	43	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Fluoranthene	60		37	6.8	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Fluorene	<37		37	5.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Hexachloroethane	<190		190	56	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916D

Lab Sample ID: 500-108576-2

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.3

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	32	J *	37	9.6	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Isophorone	<190		190	41	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Naphthalene	<37		37	5.7	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Phenanthrene	29	J	37	5.1	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Phenol	<190		190	82	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Pyrene	110	*	37	7.3	ug/Kg	☼	03/11/16 15:19	03/18/16 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				03/11/16 15:19	03/18/16 01:50	1
2-Fluorobiphenyl	84		25 - 119				03/11/16 15:19	03/18/16 01:50	1
2-Fluorophenol	95		25 - 110				03/11/16 15:19	03/18/16 01:50	1
Nitrobenzene-d5	77		25 - 115				03/11/16 15:19	03/18/16 01:50	1
Phenol-d5	92		31 - 110				03/11/16 15:19	03/18/16 01:50	1
Terphenyl-d14	172	X *	36 - 134				03/11/16 15:19	03/18/16 01:50	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		03/17/16 15:05	03/18/16 17:24	1
Barium	0.42	J	0.50	0.050	mg/L		03/17/16 15:05	03/18/16 17:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:05	03/18/16 17:24	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/17/16 15:05	03/18/16 17:24	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:24	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:24	1
Copper	0.018	J	0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:24	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:05	03/18/16 17:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:05	03/18/16 17:24	1
Manganese	1.3		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:24	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:24	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:05	03/18/16 17:24	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:24	1
Zinc	0.11	J	0.50	0.020	mg/L		03/17/16 15:05	03/18/16 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032	J	0.050	0.010	mg/L		03/18/16 08:40	03/19/16 03:54	1
Barium	0.48	J	0.50	0.050	mg/L		03/18/16 08:40	03/19/16 03:54	1
Beryllium	0.0046		0.0040	0.0040	mg/L		03/18/16 08:40	03/19/16 03:54	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		03/18/16 08:40	03/19/16 03:54	1
Chromium	0.12		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:54	1
Cobalt	0.023	J	0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:54	1
Copper	0.11		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:54	1
Iron	120		0.40	0.20	mg/L		03/18/16 08:40	03/19/16 03:54	1
Lead	0.12		0.038	0.038	mg/L		03/18/16 08:40	03/19/16 19:52	5
Manganese	0.81	B	0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:54	1
Nickel	0.096		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:40	03/19/16 03:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-6(0-1)-030916D

Lab Sample ID: 500-108576-2

Date Collected: 03/09/16 11:59

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.3

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		03/18/16 08:40	03/19/16 03:54	1
Zinc	0.57		0.50	0.020	mg/L		03/18/16 08:40	03/19/16 03:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Arsenic	1.9		0.57	0.27	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Barium	33		2.9	0.53	mg/Kg	☼	03/16/16 09:16	03/18/16 23:05	5
Beryllium	0.20	J	0.23	0.050	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Cadmium	0.14		0.11	0.033	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Calcium	110000	B	57	18	mg/Kg	☼	03/16/16 09:16	03/18/16 23:05	5
Chromium	13		0.57	0.099	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Cobalt	2.7		0.29	0.065	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Copper	15		0.57	0.12	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Iron	6300		11	4.4	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Lead	42		0.29	0.14	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Magnesium	69000	B	29	12	mg/Kg	☼	03/16/16 09:16	03/18/16 23:05	5
Manganese	320		2.9	0.57	mg/Kg	☼	03/16/16 09:16	03/18/16 23:05	5
Nickel	7.4		0.57	0.16	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Potassium	600		140	23	mg/Kg	☼	03/16/16 09:16	03/18/16 23:05	5
Selenium	<0.57		0.57	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Sodium	1400	B	57	7.6	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Vanadium	10		0.29	0.084	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	1
Zinc	54		1.1	0.36	mg/Kg	☼	03/16/16 09:16	03/17/16 23:15	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		03/17/16 16:30	03/18/16 15:34	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		03/18/16 17:45	03/19/16 13:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		17	9.0	ug/Kg	☼	03/16/16 15:00	03/17/16 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92		0.200	0.200	SU			03/11/16 18:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-7(0-1)-030916

Lab Sample ID: 500-108576-3

Date Collected: 03/09/16 12:07

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		03/12/16 13:01	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:01	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		03/12/16 13:01	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:01	1
Bromomethane	<5.7 *		5.7	2.1	ug/Kg	☼		03/12/16 13:01	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 13:01	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:01	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:01	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		03/12/16 13:01	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 13:01	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:01	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:01	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:01	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		03/12/16 13:01	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:01	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		03/12/16 13:01	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		03/12/16 13:01	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 13:01	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 13:01	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:01	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		03/12/16 13:01	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		03/12/16 13:01	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 13:01	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:01	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:01	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:01	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		03/12/16 13:01	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		03/12/16 13:01	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		03/12/16 13:01	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:01	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		03/12/16 13:01	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		03/12/16 13:01	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		03/12/16 13:01	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		03/12/16 13:01	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		03/12/16 13:01	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		03/12/16 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		03/12/16 13:01	1
Dibromofluoromethane	97		75 - 120		03/12/16 13:01	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		03/12/16 13:01	1
Toluene-d8 (Surr)	111		75 - 122		03/12/16 13:01	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	☼	03/11/16 15:19	03/17/16 22:57	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2,2'-oxybis[1-chloropropane]	<190 *		190	44	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-7(0-1)-030916

Lab Sample ID: 500-108576-3

Date Collected: 03/09/16 12:07

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.4

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	☼	03/11/16 15:19	03/17/16 22:57	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2-Methylphenol	<190		190	61	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Anthracene	8.7	J	38	6.3	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Benzo[a]anthracene	36	J	38	5.1	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Benzo[a]pyrene	50		38	7.4	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Benzo[b]fluoranthene	100		38	8.2	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Benzo[g,h,i]perylene	31	J	38	12	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Benzo[k]fluoranthene	29	J	38	11	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Bis(2-ethylhexyl) phthalate	88	J B	190	69	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Carbazole	<190		190	95	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Chrysene	53		38	10	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Fluoranthene	88		38	7.0	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Fluorene	<38		38	5.3	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Hexachloroethane	<190		190	58	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-7(0-1)-030916

Lab Sample ID: 500-108576-3

Date Collected: 03/09/16 12:07

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.4

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	27	J	38	9.8	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Isophorone	<190		190	43	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Naphthalene	<38		38	5.8	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Phenanthrene	29	J	38	5.3	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Phenol	<190		190	84	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Pyrene	66		38	7.5	ug/Kg	☼	03/11/16 15:19	03/17/16 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		35 - 137				03/11/16 15:19	03/17/16 22:57	1
2-Fluorobiphenyl	81		25 - 119				03/11/16 15:19	03/17/16 22:57	1
2-Fluorophenol	93		25 - 110				03/11/16 15:19	03/17/16 22:57	1
Nitrobenzene-d5	76		25 - 115				03/11/16 15:19	03/17/16 22:57	1
Phenol-d5	95		31 - 110				03/11/16 15:19	03/17/16 22:57	1
Terphenyl-d14	85		36 - 134				03/11/16 15:19	03/17/16 22:57	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		03/17/16 15:05	03/18/16 17:29	1
Barium	0.36	J	0.50	0.050	mg/L		03/17/16 15:05	03/18/16 17:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:05	03/18/16 17:29	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/17/16 15:05	03/18/16 17:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:29	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:29	1
Copper	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:29	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:05	03/18/16 17:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:05	03/18/16 17:29	1
Manganese	1.3		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:29	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:05	03/18/16 17:29	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:29	1
Zinc	0.059	J	0.50	0.020	mg/L		03/17/16 15:05	03/18/16 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.039	J	0.050	0.010	mg/L		03/18/16 08:40	03/19/16 03:59	1
Barium	0.60		0.50	0.050	mg/L		03/18/16 08:40	03/19/16 03:59	1
Beryllium	0.0057		0.0040	0.0040	mg/L		03/18/16 08:40	03/19/16 03:59	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		03/18/16 08:40	03/19/16 03:59	1
Chromium	0.13		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:59	1
Cobalt	0.028		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:59	1
Copper	0.14		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:59	1
Iron	140		0.40	0.20	mg/L		03/18/16 08:40	03/19/16 03:59	1
Lead	0.14		0.0075	0.0075	mg/L		03/18/16 08:40	03/19/16 03:59	1
Manganese	1.1	B	0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:59	1
Nickel	0.11		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 03:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:40	03/19/16 03:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-7(0-1)-030916

Lab Sample ID: 500-108576-3

Date Collected: 03/09/16 12:07

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 87.4

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		03/18/16 08:40	03/19/16 03:59	1
Zinc	0.60		0.50	0.020	mg/L		03/18/16 08:40	03/19/16 03:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Arsenic	2.7		0.56	0.26	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Barium	57		2.8	0.52	mg/Kg	☼	03/16/16 09:16	03/18/16 23:10	5
Beryllium	0.26		0.23	0.049	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Cadmium	0.12		0.11	0.033	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Calcium	66000	B	56	18	mg/Kg	☼	03/16/16 09:16	03/18/16 23:10	5
Chromium	13		0.56	0.097	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Cobalt	4.2		0.28	0.064	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Copper	15		0.56	0.12	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Iron	7400		11	4.4	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Lead	43		0.28	0.14	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Magnesium	35000	B	5.6	2.3	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Manganese	310		2.8	0.56	mg/Kg	☼	03/16/16 09:16	03/18/16 23:10	5
Nickel	8.4		0.56	0.15	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Potassium	670		140	23	mg/Kg	☼	03/16/16 09:16	03/18/16 23:10	5
Selenium	0.60		0.56	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Sodium	1300	B	56	7.5	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Vanadium	11		0.28	0.082	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	1
Zinc	47		1.1	0.36	mg/Kg	☼	03/16/16 09:16	03/17/16 23:21	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		03/17/16 16:30	03/18/16 15:40	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		03/18/16 17:45	03/19/16 13:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		17	8.7	ug/Kg	☼	03/16/16 15:00	03/17/16 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.54		0.200	0.200	SU			03/11/16 18:35	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-1(0-1)-030916

Lab Sample ID: 500-108576-6

Date Collected: 03/09/16 12:48

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		03/12/16 14:16	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 14:16	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		03/12/16 14:16	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 14:16	1
Bromomethane	<5.8 *		5.8	2.1	ug/Kg	☼		03/12/16 14:16	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 14:16	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 14:16	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		03/12/16 14:16	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 14:16	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 14:16	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 14:16	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		03/12/16 14:16	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 14:16	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		03/12/16 14:16	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 14:16	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		03/12/16 14:16	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 14:16	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		03/12/16 14:16	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		03/12/16 14:16	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		03/12/16 14:16	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 14:16	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		03/12/16 14:16	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		03/12/16 14:16	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		03/12/16 14:16	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 14:16	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		03/12/16 14:16	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		03/12/16 14:16	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		03/12/16 14:16	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		03/12/16 14:16	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		03/12/16 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122		03/12/16 14:16	1
Dibromofluoromethane	100		75 - 120		03/12/16 14:16	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		03/12/16 14:16	1
Toluene-d8 (Surr)	111		75 - 122		03/12/16 14:16	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	☼	03/11/16 15:19	03/18/16 03:16	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,2'-oxybis[1-chloropropane]	<190 *		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-1(0-1)-030916

Lab Sample ID: 500-108576-6

Date Collected: 03/09/16 12:48

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2-Methylphenol	<190		190	60	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
3,3'-Dichlorobenzidine	<190 *		190	53	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Acenaphthylene	33 J		37	5.0	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Anthracene	13 J		37	6.3	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Benzo[a]anthracene	100 *		37	5.1	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Benzo[a]pyrene	150 *		37	7.3	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Benzo[b]fluoranthene	250 *		37	8.1	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Benzo[g,h,i]perylene	91 *		37	12	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Benzo[k]fluoranthene	75 *		37	11	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Bis(2-ethylhexyl) phthalate	200 B *		190	69	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Butyl benzyl phthalate	<190 *		190	71	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Carbazole	<190		190	94	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Chrysene	120 *		37	10	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Dibenz(a,h)anthracene	<37 *		37	7.3	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Dibenzofuran	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Fluoranthene	110		37	7.0	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Fluorene	<37		37	5.3	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Hexachloroethane	<190		190	57	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-1(0-1)-030916

Lab Sample ID: 500-108576-6

Date Collected: 03/09/16 12:48

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	95	*	37	9.7	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Isophorone	<190		190	42	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Naphthalene	<37		37	5.8	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Phenanthrene	26	J	37	5.2	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Phenol	<190		190	83	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Pyrene	260	*	37	7.5	ug/Kg	☼	03/11/16 15:19	03/18/16 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				03/11/16 15:19	03/18/16 03:16	1
2-Fluorobiphenyl	78		25 - 119				03/11/16 15:19	03/18/16 03:16	1
2-Fluorophenol	80		25 - 110				03/11/16 15:19	03/18/16 03:16	1
Nitrobenzene-d5	67		25 - 115				03/11/16 15:19	03/18/16 03:16	1
Phenol-d5	83		31 - 110				03/11/16 15:19	03/18/16 03:16	1
Terphenyl-d14	184	X *	36 - 134				03/11/16 15:19	03/18/16 03:16	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		03/17/16 15:05	03/18/16 17:44	1
Barium	0.26	J	0.50	0.050	mg/L		03/17/16 15:05	03/18/16 17:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/17/16 15:05	03/18/16 17:44	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/17/16 15:05	03/18/16 17:44	1
Chromium	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:44	1
Copper	0.011	J	0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:44	1
Iron	<0.40		0.40	0.20	mg/L		03/17/16 15:05	03/18/16 17:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/17/16 15:05	03/18/16 17:44	1
Manganese	1.0		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:44	1
Nickel	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/17/16 15:05	03/18/16 17:44	1
Silver	<0.025		0.025	0.010	mg/L		03/17/16 15:05	03/18/16 17:44	1
Zinc	0.073	J	0.50	0.020	mg/L		03/17/16 15:05	03/18/16 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.031	J	0.050	0.010	mg/L		03/18/16 08:40	03/19/16 04:12	1
Barium	0.34	J	0.50	0.050	mg/L		03/18/16 08:40	03/19/16 04:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/18/16 08:40	03/19/16 04:12	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		03/18/16 08:40	03/19/16 04:12	1
Chromium	0.099		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 04:12	1
Cobalt	0.019	J	0.025	0.010	mg/L		03/18/16 08:40	03/19/16 04:12	1
Copper	0.083		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 04:12	1
Iron	98		0.40	0.20	mg/L		03/18/16 08:40	03/19/16 04:12	1
Lead	0.13		0.0075	0.0075	mg/L		03/18/16 08:40	03/19/16 04:12	1
Manganese	0.77	B	0.025	0.010	mg/L		03/18/16 08:40	03/19/16 04:12	1
Nickel	0.076		0.025	0.010	mg/L		03/18/16 08:40	03/19/16 04:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/18/16 08:40	03/19/16 04:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Client Sample ID: AL28-1(0-1)-030916

Lab Sample ID: 500-108576-6

Date Collected: 03/09/16 12:48

Matrix: Solid

Date Received: 03/09/16 16:45

Percent Solids: 86.5

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		03/18/16 08:40	03/19/16 04:12	1
Zinc	0.43	J	0.50	0.020	mg/L		03/18/16 08:40	03/19/16 04:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Arsenic	2.9		0.56	0.26	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Barium	74		2.8	0.51	mg/Kg	☼	03/16/16 09:16	03/18/16 23:22	5
Beryllium	0.36		0.22	0.048	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Cadmium	0.20		0.11	0.032	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Calcium	93000	B	56	18	mg/Kg	☼	03/16/16 09:16	03/18/16 23:22	5
Chromium	11		0.56	0.096	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Cobalt	5.3		0.28	0.063	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Copper	12		0.56	0.12	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Iron	9600		11	4.3	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Lead	43		0.28	0.14	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Magnesium	51000	B	5.6	2.3	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Manganese	530		2.8	0.55	mg/Kg	☼	03/16/16 09:16	03/18/16 23:22	5
Nickel	9.1		0.56	0.15	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Potassium	890		140	23	mg/Kg	☼	03/16/16 09:16	03/18/16 23:22	5
Selenium	0.46	J	0.56	0.28	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Sodium	1800	B	56	7.4	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Vanadium	12		0.28	0.081	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	1
Zinc	59		1.1	0.35	mg/Kg	☼	03/16/16 09:16	03/17/16 23:36	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		03/17/16 16:30	03/18/16 15:45	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		03/18/16 17:45	03/19/16 13:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		19	10	ug/Kg	☼	03/16/16 15:00	03/17/16 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.89		0.200	0.200	SU			03/11/16 18:55	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
E	Result exceeded calibration range.

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.
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 102 - WO 039

TestAmerica Job ID: 500-108576-1

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	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 601
Phone: 708.534.5200 Fax: 708.534.



500-108576 COC

Report To (optional)
Contact: S. Babusukumar
Company: Western Solutions
Address: Wilmington, IL
Address:
Phone: 224-964-2250
Fax:
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108576
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 2.9

Client		Client Project #		Preservative		Parameter		Sampler		Lab PM		Preservative Key
WESTERN SOLUTIONS				7	7	7	7	7	D. WRIGHT		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Sampling		Matrix		Lab Project #		Lab PM		Comments
IDGT 039-IL RTE 102		WILMINGTON, IL		Date	Time	# of Containers	Matrix			D. WRIGHT		
Lab ID	MS/MSD	Sample ID										
1		AL28-6-(0-1)-030916		030916	1159	2	S	X	X	X	X	X
2		AL28-6-(0-1)D-030916		↓	1159	2	S	X	X	X	X	X
3		AL28-7-(0-1)-030916		↓	1207	2	S	X	X	X	X	X
		AL32-9(0-1)-030916			1229			X	X	X	X	X
4		R29-2-(0-1)-030916		030916	1229	2	S	X	X	X	X	X
5		R29-1(0-1)-030916		↓	1242	2	S	X	X	X	X	X
6		AL28-1-(0-1)-030916		↓	1248	2	S	X	X	X	X	X
7		VL31-5-(0-1)-030916		↓	1255	2	S	X	X	X	X	X
8		VL31-2-(0-1)-030916		↓	1305	2	S	X	X	X	X	X
9		VL43-2-(0-1)-030916		↓	1310	2	S	X	X	X	X	X

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Retained Other
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>A. Sun</u>	Company: <u>WESTON</u>	Date: <u>030916</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1555</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CRT</u>	Date: <u>3/9/16</u>	Time: <u>1645</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments:
 Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusuman
 Company: WESTON SOLUTIONS
 Address: 300 Plaza Circle, Ste 200
Mundelein, IL 60060
 Phone: 224-864-7250
 Fax:
 E-Mail:

Bill To (optional)
 Contact: SAME
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-108576
 Chain of Custody Number:
 Page 2 of 2
 Temperature °C of Cooler:

Client		Client Project #		Preservative		7		7		7		7		7		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Parameter		VOC		SVOC		Total Metals		TELP/SLP Metals		PH		Comments		
Project Location/State		Lab Project #		WILMINGTON, IL		Lab PM		A. SIMPSON		D. WRIGHT						
Lab ID	M/S/MSD	Sample ID	Date	Time	# of Containers	Matrix										
10		VLS1-1-(0-1)-030916	030916	1535	2 S	S	X	X	X	X	X					
11		VLS1-11-(0-1)-030916		1542	2 S	S	X	X	X	X	X					
12		VLS1-10-(0-1)-030916		1352	2 S	S	X	X	X	X	X					
13		VLS1-9-(0-1)-030916		1410	2 S	S	X	X	X	X	X					
14		VLS1-8-(0-1)-030916		1425	2 S	S	X	X	X	X	X					
15		VLS1-7-(0-1)-030916		1439	2 S	S	X	X	X	X	X					
16		VLS1-6-(0-1)-030916		1451	2 S	S	X	X	X	X	X					
17		VLS1-5-(0-4)-030916		1505	2 S	S	X	X	X	X	X					
18		VLS1-4-(0-4)-030916		1525	2 S	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days 26-30 Other
 Requested Due Date _____

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

Relinquished By <u>A.S.</u>	Company <u>WESTON</u>	Date <u>030916</u>	Time <u>1555</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1555</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Received By <u>[Signature]</u>	Company <u>TA-CHE</u>	Date <u>3/9/16</u>	Time <u>1645</u>	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
 Lab Comments: