



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: IL 58 (Golf Rd) at Michael Manor & Washington Rd Office Phone Number, if available: _____

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

IL 58 & Michael Manor Intersection; and IL 58 & Washington Road Intersection. (ISGS Site No. 2927-7)

City: Niles State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.054952817 Longitude: -87.828532806

(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: IL 58 (Golf Rd) at Michael Manor & Washington RdLatitude: 42.054952817 Longitude: -87.828532806Uncontaminated 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 ROW-1, ROW-3, ROW-4, ROW-5, AND ROW-7 THROUGH ROW-13 WERE SAMPLED ADJACENT TO ISGS SITE No. 2927-7. SEE FIGURES 3-1 AND 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-92329-1
 TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-92330-1
 ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT, DATED APRIL 2015

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

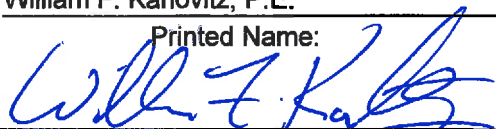
I, William F. Karlovitz (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the 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: 60060-2342
 Phone: (224) 864-7267

William F. Karlovitz, P.E.

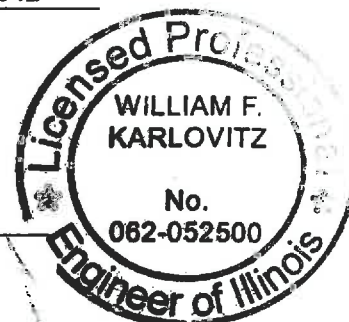
Printed Name:



23 April 2015

Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

Date:



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

Summary Table of ISGS Site No. 2927-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-1(0-5)-021715	ROW-3(0-6)-021715	ROW-3(6-11)-021715	ROW-4(0-6)-021715	ROW-4(6-11)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-1	ROW-3	ROW-3	ROW-4	ROW-4	
Depth	0 - 5	0 - 6	6 - 11	0 - 6	6 - 11	
Lab Sample ID	500-92329-20	500-92329-18	500-92329-19	500-92330-3	500-92330-4	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
Laboratory pH (s.u.)	8.13	7.67	8.17	7.86	8.2	<6.25; >9.0
VOCs (ug/kg)						
Acetone	17	33	13	ND	ND	25000
Methyl ethyl ketone	ND	7.1	ND	ND	ND	---
SVOCs (ug/kg)						
2-Methylnaphthalene	35 J	ND	ND	ND	ND	---
Acenaphthene	99	ND	ND	ND	ND	570000
Anthracene	120	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	550	ND	56	16 J	ND	900 / 1100 / 1800
Benzo(a)pyrene	560	ND	69	21 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	840	ND	91	30 J	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	460	ND	27 J	ND	12 J	---
Benzo(k)fluoranthene	430	ND	55	15 J	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Carbazole	120 J	ND	ND	ND	ND	600
Chrysene	770	ND	72	22 J	ND	88000
Dibenzo(a,h)anthracene	130	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	80 J	ND	ND	ND	ND	---
Fluoranthene	1600	ND	130	41	ND	3100000
Fluorene	59	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	420	ND	35 J	14 J	ND	900 / 900 / 1600
Naphthalene, SVOC	15 J	ND	ND	ND	ND	1800
Phenanthrene	730	ND	44	17 J	7.3 J	---
Pyrene	1100	ND	110	35 J	ND	2300000
Total Metals (mg/kg)						
Antimony, Total	0.44 J	0.44 J	0.41 J	ND	ND	5
Arsenic, Total	3.5 J	5.3 J	5.4 J	6.5 J	4.4 J	11.3 / 13.0
Barium, Total	81	87	42	65 J-	47 J-	1500
Beryllium, Total	0.75	0.71	0.56	0.84	0.62	22
Cadmium, Total	ND	0.074 J	0.035 J	0.15 J	0.19 J	5.2
Calcium, Total	25000 J	25000 J	41000 J	49000 J	67000 J	---
Chromium, Total	19	18	15	20 J	16 J	21
Cobalt, Total	7.3	9.7	11	8.9 J	7 J	20
Copper, Total	20	21	21	21 J	17 J	2900
Iron, Total	17000 J+	19000 J+	16000 J+	21000 J-	16000 J-	15000 / 15900
Lead, Total	22 J-	14 J-	12 J-	14 J	11 J	107
Magnesium, Total	15000 J+	18000 J+	22000 J+	21000 J	27000 J	325000
Manganese, Total	270 J	630 J	320 J	210 J	250 J	630 / 636
Mercury, Total	0.036	0.022	0.028	0.016 J	0.014 J	0.89
Nickel, Total	20	25	27	30	24	100
Potassium, Total	2200 J+	1700 J+	2500 J+	2500 J+	2200 J+	---
Selenium, Total	ND	ND	ND	ND	0.56 J	1.3
Sodium, Total	460	410	250	290	260	---
Thallium, Total	0.44 J	0.94	0.54 J	ND	ND	2.6
Vanadium, Total	21	26	18	23	16	550
Zinc, Total	46 J	37 J	36 J	61 J	52 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.56	0.68	0.52	0.63	0.56	2
Cadmium, TCLP	ND	ND	ND	0.0046 J	ND	0.005
Cobalt, TCLP	ND	0.024 J	ND	0.01 J	ND	1
Copper, TCLP	0.023 J	0.023 J	ND	ND	ND	0.65
Lead, TCLP	ND	0.0075	ND	ND	ND	0.0075
Manganese, TCLP	3.8	12	1.4	2.2	0.99	0.15
Nickel, TCLP	ND	0.018 J	ND	0.017 J	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2927-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-1(0-5)-021715	ROW-3(0-6)-021715	ROW-3(6-11)-021715	ROW-4(0-6)-021715	ROW-4(6-11)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-1	ROW-3	ROW-3	ROW-4	ROW-4	
Depth	0 - 5	0 - 6	6 - 11	0 - 6	6 - 11	
Lab Sample ID	500-92329-20	500-92329-18	500-92329-19	500-92330-3	500-92330-4	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.022 J	0.015 J	0.015 J	0.05
Barium, SPLP	0.26 J	0.3 J	0.4 J	0.34 J	0.29 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.034	0.048	0.077	0.064	0.042	0.1
Cobalt, SPLP	ND	0.016 J	0.037	0.014 J	0.013 J	1
Copper, SPLP	0.032	0.042	0.086	0.063	0.041	0.65
Iron, SPLP	24 J+	38 J+	65 J+	52 J+	36 J+	5
Lead, SPLP	0.018	0.024	0.035	0.022	0.019	0.0075
Manganese, SPLP	0.38	0.49	0.54	0.23	0.24	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.029	0.044	0.1	0.055	0.042	0.1
Zinc, SPLP	0.21 B	0.16 B	0.31 B	0.23	0.21	5

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Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-5(0-6)-021715	ROW-5(6-11)-021715	ROW-5(6-11)-021715D	ROW-7(0-5)-021715	ROW-8(0-5)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-5	ROW-5	ROW-5	ROW-7	ROW-8	
Depth	0 - 6	6 - 11	6 - 11	0 - 5	0 - 5	
Lab Sample ID	500-92329-15	500-92329-16	500-92329-17	500-92329-14	500-92329-7	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
Laboratory pH (s.u.)	7.93	7.95	7.77	8.07	8.33	<6.25; >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	24 J	ND	1.20E+07
Benzo(a)anthracene	34 J	ND	ND	220	20 J	900 / 1100 / 1800
Benzo(a)pyrene	37 J	ND	ND	280	22 J	90 / 1300 / 2100
Benzo(b)fluoranthene	52	ND	ND	420	38 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	ND	120	ND	---
Benzo(k)fluoranthene	26 J	ND	ND	200	18 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	ND	600
Chrysene	48	ND	ND	280	37 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	72	ND	ND	560	42	3100000
Fluorene	ND	ND	ND	9.2 J	ND	560000
Indeno(1,2,3-cd)pyrene	18 J	ND	ND	130	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	27 J	ND	ND	180	21 J	---
Pyrene	61	ND	ND	490	44	2300000
Total Metals (mg/kg)						
Antimony, Total	0.63 J	0.44 J	0.56 J	0.6 J	0.53 J	5
Arsenic, Total	7.6 J	6.3 J	5.8 J	4.7 J	5.8 J	11.3 / 13.0
Barium, Total	89	52	57	53	88	1500
Beryllium, Total	0.88	0.67	0.7	0.5	0.79	22
Cadmium, Total	0.078 J	0.058 J	0.063 J	0.23	0.12	5.2
Calcium, Total	18000 J	55000 J	47000 J	97000 J	32000 J	---
Chromium, Total	22	19	20	17	22	21
Cobalt, Total	12	11	8.3	5.4	9.7	20
Copper, Total	21	22	20	17	26	2900
Iron, Total	23000 J+	20000 J+	20000 J+	13000 J+	21000 J+	15000 / 15900
Lead, Total	17 J-	10 J-	9.1 J-	68 J-	51 J-	107
Magnesium, Total	10000 J+	26000 J+	23000 J+	46000 J+	18000 J+	325000
Manganese, Total	590 J	410 J	310 J	250 J	320 J	630 / 636
Mercury, Total	0.044	0.02	0.02	0.04	0.026	0.89
Nickel, Total	27	25	25	13	27	100
Potassium, Total	2400 J+	3200 J+	3400 J+	1900 J+	3100 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	350	270	270	420	2400	---
Thallium, Total	0.95	0.56 J	0.37 J	ND	0.47 J	2.6
Vanadium, Total	30	22	22	18	24	550
Zinc, Total	46 J	39 J	40 J	49 J	57 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.46 J	0.55	0.5	0.5	0.72	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	0.057 J	ND	0.049	ND	0.65
Lead, TCLP	ND	ND	ND	0.016	ND	0.0075
Manganese, TCLP	0.028	0.55	0.51	0.04	0.18	0.15
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	0.15 B	ND	5

Summary Table of ISGS Site No. 2927-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
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Niles, Cook County, Illinois

Field Sample ID	ROW-5(0-6)-021715	ROW-5(6-11)-021715	ROW-5(6-11)-021715D	ROW-7(0-5)-021715	ROW-8(0-5)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-5	ROW-5	ROW-5	ROW-7	ROW-8	
Depth	0 - 6	6 - 11	6 - 11	0 - 5	0 - 5	
Lab Sample ID	500-92329-15	500-92329-16	500-92329-17	500-92329-14	500-92329-7	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.017 J	0.019 J	0.047 J	0.016 J	0.091	0.05
Barium, SPLP	0.26 J	0.22 J	0.52	0.27 J	1.2	2
Beryllium, SPLP	ND	ND	0.0058	ND	0.012	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.072	0.067 J	0.13 J	0.063	0.31	0.1
Cobalt, SPLP	0.015 J	0.02 J	0.047 J	0.013 J	0.084	1
Copper, SPLP	0.076	0.065 J	0.15 J	0.057	0.36	0.65
Iron, SPLP	60 J+	57 J	120 J	50 J+	280 J+	5
Lead, SPLP	0.026	0.028 J	0.06 J	0.2	0.4	0.0075
Manganese, SPLP	0.27	0.31 J	0.67 J	0.25	1.3	0.15
Mercury, SPLP	ND	ND	ND	ND	0.0003	0.002
Nickel, SPLP	0.06	0.068 J	0.15 J	0.046	0.3	0.1
Zinc, SPLP	0.15 B	ND	0.28 J	0.23 B	0.76 B	5

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Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-9(0-6)-021715	ROW-9(6-11)-021715	ROW-10(0-6)-021715	ROW-10(6-11)-021715	ROW-11(0-6)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-9	ROW-9	ROW-10	ROW-10	ROW-11	
Depth	0 - 6	6 - 11	0 - 6	6 - 11	0 - 6	
Lab Sample ID	500-92329-5	500-92329-6	500-92329-10	500-92329-11	500-92329-2	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
Laboratory pH (s.u.)	8.43	8	8.58	8.34	8.15	<6.25; >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	25 J	12 J	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	26 J	17 J	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	44	25 J	ND	9.4 J	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	22 J	ND	ND	ND	ND	---
Benzo(k)fluoranthene	16 J	ND	ND	ND	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	ND	600
Chrysene	29 J	25 J	ND	12 J	ND	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	60	38 J	ND	15 J	ND	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	16 J	ND	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	32 J	29 J	ND	8.9 J	ND	---
Pyrene	49	29 J	ND	14 J	ND	2300000
Total Metals (mg/kg)						
Antimony, Total	0.38 J	0.57 J	0.45 J	0.47 J	0.7 J	5
Arsenic, Total	5.3 J	8.9 J	8.5 J	5.7 J	7.8 J	11.3 / 13.0
Barium, Total	40	36	62	44	59	1500
Beryllium, Total	0.5	0.49	0.79	0.69	0.78	22
Cadmium, Total	0.1 J	0.1 J	ND	ND	0.044 J	5.2
Calcium, Total	98000 J	79000 J	25000 J	48000 J	40000 J	---
Chromium, Total	14	13	20	20	21	21
Cobalt, Total	5.3	9.2	13	8.5	11	20
Copper, Total	17	25	22	21	24	2900
Iron, Total	14000 J+	18000 J+	22000 J+	19000 J+	23000 J+	15000 / 15900
Lead, Total	8.6 J-	14 J-	14 J-	9.5 J-	12 J-	107
Magnesium, Total	23000 J+	28000 J+	16000 J+	24000 J+	22000 J+	325000
Manganese, Total	260 J	520 J	550 J	360 J	390 J	630 / 636
Mercury, Total	0.024	0.031	0.025	0.02	0.027	0.89
Nickel, Total	19	26	30	26	27	100
Potassium, Total	2200 J+	2000 J+	2700 J+	3200 J+	3000 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	240	380	430	390	270	---
Thallium, Total	0.31 J	0.9	0.98	0.82	0.58 J	2.6
Vanadium, Total	15	16	26	20	25	550
Zinc, Total	35 J	44 J	44 J	42 J	46 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.39 J	0.52	0.49 J	0.45 J	0.4 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	0.054	0.046	ND	ND	0.65
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.15	0.68	0.17	0.49	0.17	0.15
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	0.21 B	0.12 B	ND	ND	5

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FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-9(0-6)-021715	ROW-9(6-11)-021715	ROW-10(0-6)-021715	ROW-10(6-11)-021715	ROW-11(0-6)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-9	ROW-9	ROW-10	ROW-10	ROW-11	
Depth	0 - 6	6 - 11	0 - 6	6 - 11	0 - 6	
Lab Sample ID	500-92329-5	500-92329-6	500-92329-10	500-92329-11	500-92329-2	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.033 J	0.026 J	0.026 J	0.017 J	0.024 J	0.05
Barium, SPLP	0.2 J	0.24 J	0.36 J	0.29 J	0.28 J	2
Beryllium, SPLP	ND	ND	0.0047	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.063	0.076	0.12	0.086	0.089	0.1
Cobalt, SPLP	0.018 J	0.022 J	0.023 J	0.018 J	0.023 J	1
Copper, SPLP	0.085	0.16	0.11	0.09	0.069	0.65
Iron, SPLP	62 J+	64 J+	95 J+	63 J+	74 J+	5
Lead, SPLP	0.031	0.042	0.04	0.032	0.034	0.0075
Manganese, SPLP	0.24	0.31	0.36	0.36	0.32	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.085	0.085	0.096	0.075	0.084	0.1
Zinc, SPLP	0.19 B	0.21 B	0.23 B	0.17 B	0.18 B	5

Summary Table of ISGS Site No. 2927-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-11(6-11)-021715	ROW-11(6-11)-021715D	ROW-12(0-6)-021715	ROW-12(6-11)-021715	ROW-13(0-5)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-11	ROW-11	ROW-12	ROW-12	ROW-13	
Depth	6 - 11	6 - 11	0 - 6	6 - 11	0 - 5	
Lab Sample ID	500-92329-3	500-92329-4	500-92329-12	500-92329-13	500-92329-1	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
Laboratory pH (s.u.)	8.01	8.19	8.3	7.96	8.24	<6.25; >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	14	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	ND	17 J	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Anthracene	ND	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	ND	ND	31 J	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	36 J	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	53	ND	9.7 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	32 J	ND	ND	---
Benzo(k)fluoranthene	ND	ND	26 J	ND	ND	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46000
Carbazole	ND	ND	ND	ND	ND	600
Chrysene	ND	ND	42	ND	13 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	ND	ND	91	ND	11 J	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	25 J	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	ND	ND	32 J	ND	21 J	---
Pyrene	ND	8.3 J	68	ND	13 J	2300000
Total Metals (mg/kg)						
Antimony, Total	0.53 J	0.54 J	0.71 J	0.44 J	0.83 J	5
Arsenic, Total	6 J	5.5 J	5.7 J	4.7 J	8.3 J	11.3 / 13.0
Barium, Total	46	41	110	44	70	1500
Beryllium, Total	0.73	0.72	0.98	0.66	0.65	22
Cadmium, Total	ND	ND	ND	0.12	0.14	5.2
Calcium, Total	42000 J	45000 J	4100 J	46000 J	41000 J	---
Chromium, Total	21	20	25	19	18	21
Cobalt, Total	7.9 J	14 J	12	6.9	9.2	20
Copper, Total	23	20	21	19	23	2900
Iron, Total	20000 J+	19000 J+	25000 J+	19000 J+	20000 J+	15000 / 15900
Lead, Total	10 J-	9.2 J-	14 J-	8.8 J-	25 J-	107
Magnesium, Total	23000 J+	24000 J+	5300 J+	22000 J+	22000 J+	325000
Manganese, Total	310 J	390 J	390 J	300 J	450 J	630 / 636
Mercury, Total	0.024	0.024	0.039	0.024	0.026	0.89
Nickel, Total	27	29	27	25	25	100
Potassium, Total	3600 J+	3600 J+	2200 J+	3400 J+	2600 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	220	240	970	570	730	---
Thallium, Total	0.74	0.71	0.86	0.82	0.78	2.6
Vanadium, Total	22	21	29	20	22	550
Zinc, Total	44 J	43 J	52 J	43 J	120 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.42 J	0.4 J	0.58	0.52	0.72	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	0.01 J	1
Copper, TCLP	ND	0.028	0.029	ND	ND	0.65
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.77	0.75	0.1	0.53	2.8	0.15
Nickel, TCLP	ND	ND	ND	ND	0.014 J	0.1
Zinc, TCLP	ND	0.16 B	0.13 B	ND	ND	5

Summary Table of ISGS Site No. 2927-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 339: Illinois Route 58 (Golf Road) At Michael Manor & Washington Roads
Niles, Cook County, Illinois

Field Sample ID	ROW-11(6-11)-021715	ROW-11(6-11)-021715D	ROW-12(0-6)-021715	ROW-12(6-11)-021715	ROW-13(0-5)-021715	Soil Reference Concentrations ^A
Sample Date	2/17/2015	2/17/2015	2/17/2015	2/17/2015	2/17/2015	
Location ID	ROW-11	ROW-11	ROW-12	ROW-12	ROW-13	
Depth	6 - 11	6 - 11	0 - 6	6 - 11	0 - 5	
Lab Sample ID	500-92329-3	500-92329-4	500-92329-12	500-92329-13	500-92329-1	
ISGS Site No.	2927-7	2927-7	2927-7	2927-7	2927-7	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.018 J	0.014 J	0.021 J	0.053	0.034 J	0.05
Barium, SPLP	0.21 J	0.17 J	0.54	0.36 J	1.3	2
Beryllium, SPLP	ND	ND	0.006	0.0053	0.0052	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.064	0.057	0.15	0.12	0.13	0.1
Cobalt, SPLP	0.014 J	0.013 J	0.03	0.037	0.055	1
Copper, SPLP	0.1 J	0.05 J	0.092	0.17	0.15	0.65
Iron, SPLP	51 J+	43 J+	120 J+	120 J+	100 J+	5
Lead, SPLP	0.029	0.02	0.036	0.056	0.14	0.0075
Manganese, SPLP	0.32	0.26	0.48	0.49	1.1	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.064	0.055	0.12	0.15	0.14	0.1
Zinc, SPLP	0.15 B	ND	0.26 B	0.33 B	0.97 B	5

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92329-1
Client Project/Site: IDOT - Niles - WO 004

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

Attn: Mr. S. Babusukumar



Authorized for release by:
2/26/2015 3:32:50 PM

Richard Wright, Senior Project Manager
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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.

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-13(0-5)-021715

Lab Sample ID: 500-92329-1

Date Collected: 02/17/15 08:05

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 83.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		6.0	2.6	ug/Kg	☼		02/19/15 21:58	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/19/15 21:58	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 21:58	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/19/15 21:58	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/19/15 21:58	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/19/15 21:58	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 21:58	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		02/19/15 21:58	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 21:58	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/19/15 21:58	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/19/15 21:58	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		02/19/15 21:58	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		02/19/15 21:58	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 21:58	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		02/19/15 21:58	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		02/19/15 21:58	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		02/19/15 21:58	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/19/15 21:58	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		02/19/15 21:58	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/19/15 21:58	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/19/15 21:58	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 21:58	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/19/15 21:58	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 21:58	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/19/15 21:58	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		02/19/15 21:58	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/19/15 21:58	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		02/19/15 21:58	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/19/15 21:58	1
trans-1,2-Dichloroethene	<6.0 *		6.0	0.82	ug/Kg	☼		02/19/15 21:58	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 21:58	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/19/15 21:58	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		02/19/15 21:58	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/19/15 21:58	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/19/15 21:58	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/19/15 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		02/19/15 21:58	1
Dibromofluoromethane	89		75 - 120		02/19/15 21:58	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134		02/19/15 21:58	1
Toluene-d8 (Surr)	102		75 - 122		02/19/15 21:58	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	42	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-13(0-5)-021715

Lab Sample ID: 500-92329-1

Date Collected: 02/17/15 08:05

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 83.8

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	☼	02/19/15 07:10	02/20/15 11:30	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2-Methylnaphthalene	17	J	39	7.1	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2-Methylphenol	<200		200	62	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Anthracene	<39		39	6.5	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Benzo[b]fluoranthene	9.7	J	39	8.4	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Chrysene	13	J	39	11	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Dibenzofuran	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Fluoranthene	11	J	39	7.2	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Hexachloroethane	<200		200	59	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-13(0-5)-021715

Lab Sample ID: 500-92329-1

Date Collected: 02/17/15 08:05

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 83.8

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	☼	02/19/15 07:10	02/20/15 11:30	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
N-Nitrosodi-n-propylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Phenanthrene	21	J	39	5.4	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Phenol	<200		200	86	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Pyrene	13	J	39	7.7	ug/Kg	☼	02/19/15 07:10	02/20/15 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		35 - 137				02/19/15 07:10	02/20/15 11:30	1
2-Fluorobiphenyl	50		25 - 119				02/19/15 07:10	02/20/15 11:30	1
2-Fluorophenol	54		25 - 110				02/19/15 07:10	02/20/15 11:30	1
Nitrobenzene-d5	39		25 - 115				02/19/15 07:10	02/20/15 11:30	1
Phenol-d5	55		31 - 110				02/19/15 07:10	02/20/15 11:30	1
Terphenyl-d14	65		36 - 134				02/19/15 07:10	02/20/15 11:30	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		02/24/15 09:10	02/24/15 15:38	1
Barium	0.72		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 15:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 15:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 15:38	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 15:38	1
Cobalt	0.010	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 15:38	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 15:38	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 15:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 15:38	1
Manganese	2.8		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 15:38	1
Nickel	0.014	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 15:38	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 15:38	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 15:38	1
Zinc	0.022	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		02/23/15 15:30	02/24/15 18:46	1
Barium	1.3		0.50	0.050	mg/L		02/23/15 15:30	02/24/15 18:46	1
Beryllium	0.0052		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 18:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 18:46	1
Chromium	0.13		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:46	1
Cobalt	0.055		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:46	1
Copper	0.15		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:46	1
Iron	100		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 18:46	1
Lead	0.14		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 18:46	1
Manganese	1.1		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:46	1
Nickel	0.14		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:46	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 18:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-13(0-5)-021715

Lab Sample ID: 500-92329-1

Date Collected: 02/17/15 08:05

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 18:46	1
Zinc	0.97	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 18:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.83	J	1.2	0.24	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Arsenic	8.3		0.59	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Barium	70		0.59	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Beryllium	0.65		0.24	0.051	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Cadmium	0.14		0.12	0.034	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Calcium	41000		12	3.8	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Chromium	18		0.59	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Cobalt	9.2		0.29	0.066	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Copper	23		0.59	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Iron	20000		12	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Lead	25		0.29	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Magnesium	22000		5.9	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Manganese	450		0.59	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Nickel	25		0.59	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Potassium	2600		29	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Sodium	730		59	7.8	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Thallium	0.78		0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Vanadium	22		0.29	0.086	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	1
Zinc	120	B	1.2	0.37	mg/Kg	☼	02/19/15 16:59	02/21/15 06:11	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		02/24/15 11:20	02/25/15 09:02	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		02/23/15 12:00	02/24/15 12:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		18	6.4	ug/Kg	☼	02/19/15 16:00	02/20/15 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.24		0.200	0.200	SU			02/20/15 12:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(0-6)-021715

Lab Sample ID: 500-92329-2

Date Collected: 02/17/15 08:15

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 77.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.5		6.5	2.8	ug/Kg	*		02/19/15 23:10	1
Benzene	<6.5		6.5	0.89	ug/Kg	*		02/19/15 23:10	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	*		02/19/15 23:10	1
Bromoform	<6.5		6.5	1.5	ug/Kg	*		02/19/15 23:10	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	*		02/19/15 23:10	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	*		02/19/15 23:10	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	*		02/19/15 23:10	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	*		02/19/15 23:10	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	*		02/19/15 23:10	1
Chloroform	<6.5		6.5	0.75	ug/Kg	*		02/19/15 23:10	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	*		02/19/15 23:10	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	*		02/19/15 23:10	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	*		02/19/15 23:10	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	*		02/19/15 23:10	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	*		02/19/15 23:10	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	*		02/19/15 23:10	1
1,1-Dichloroethene	<6.5		6.5	1.0	ug/Kg	*		02/19/15 23:10	1
1,2-Dichloropropane	<6.5		6.5	0.98	ug/Kg	*		02/19/15 23:10	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	*		02/19/15 23:10	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	*		02/19/15 23:10	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	*		02/19/15 23:10	1
Methylene Chloride	<6.5		6.5	1.8	ug/Kg	*		02/19/15 23:10	1
Methyl Ethyl Ketone	<6.5		6.5	2.3	ug/Kg	*		02/19/15 23:10	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	*		02/19/15 23:10	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	*		02/19/15 23:10	1
Styrene	<6.5		6.5	0.85	ug/Kg	*		02/19/15 23:10	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	*		02/19/15 23:10	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	*		02/19/15 23:10	1
Toluene	<6.5		6.5	0.91	ug/Kg	*		02/19/15 23:10	1
trans-1,2-Dichloroethene	<6.5 *		6.5	0.89	ug/Kg	*		02/19/15 23:10	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	*		02/19/15 23:10	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	*		02/19/15 23:10	1
1,1,2-Trichloroethane	<6.5		6.5	0.88	ug/Kg	*		02/19/15 23:10	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	*		02/19/15 23:10	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	*		02/19/15 23:10	1
Xylenes, Total	<13		13	0.59	ug/Kg	*		02/19/15 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		02/19/15 23:10	1
Dibromofluoromethane	88		75 - 120		02/19/15 23:10	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134		02/19/15 23:10	1
Toluene-d8 (Surr)	101		75 - 122		02/19/15 23:10	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	*	02/19/15 07:10	02/20/15 12:30	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(0-6)-021715

Lab Sample ID: 500-92329-2

Date Collected: 02/17/15 08:15

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 77.1

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	*	02/19/15 07:10	02/20/15 12:30	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2-Chloronaphthalene	<210		210	46	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2-Chlorophenol	<210		210	72	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2-Methylnaphthalene	<42		42	7.7	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2-Methylphenol	<210		210	67	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2-Nitroaniline	<210		210	56	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
2-Nitrophenol	<420		420	99	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
3-Nitroaniline	<420		420	130	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4-Chloroaniline	<850		850	200	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4-Nitroaniline	<420		420	180	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
4-Nitrophenol	<850		850	400	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Acenaphthene	<42		42	7.5	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Acenaphthylene	<42		42	5.5	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Anthracene	<42		42	7.0	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Benzo[a]anthracene	<42		42	5.6	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Benzo[a]pyrene	<42		42	8.1	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Benzo[b]fluoranthene	<42		42	9.1	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Benzo[k]fluoranthene	<42		42	12	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Carbazole	<210		210	110	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Chrysene	<42		42	11	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Dibenz(a,h)anthracene	<42		42	8.1	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Dibenzofuran	<210		210	49	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Diethyl phthalate	<210		210	71	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Dimethyl phthalate	<210		210	55	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Fluoranthene	<42		42	7.8	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Fluorene	<42		42	5.9	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Hexachlorobenzene	<85		85	9.7	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Hexachlorobutadiene	<210		210	66	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1
Hexachloroethane	<210		210	64	ug/Kg	*	02/19/15 07:10	02/20/15 12:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(0-6)-021715

Lab Sample ID: 500-92329-2

Date Collected: 02/17/15 08:15

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 77.1

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	<42		42	11	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Isophorone	<210		210	47	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Naphthalene	<42		42	6.5	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Nitrobenzene	<42		42	10	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Pentachlorophenol	<850		850	670	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Phenanthrene	<42		42	5.8	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Phenol	<210		210	93	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Pyrene	<42		42	8.3	ug/Kg	☼	02/19/15 07:10	02/20/15 12:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		35 - 137				02/19/15 07:10	02/20/15 12:30	1
2-Fluorobiphenyl	52		25 - 119				02/19/15 07:10	02/20/15 12:30	1
2-Fluorophenol	53		25 - 110				02/19/15 07:10	02/20/15 12:30	1
Nitrobenzene-d5	45		25 - 115				02/19/15 07:10	02/20/15 12:30	1
Phenol-d5	54		31 - 110				02/19/15 07:10	02/20/15 12:30	1
Terphenyl-d14	86		36 - 134				02/19/15 07:10	02/20/15 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		02/24/15 09:10	02/24/15 16:03	1
Barium	0.40	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 16:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 16:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 16:03	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:03	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:03	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:03	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 16:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 16:03	1
Manganese	0.17		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:03	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:03	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 16:03	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:03	1
Zinc	0.023	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 16:03	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		02/23/15 15:30	02/24/15 18:52	1
Barium	0.28	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 18:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 18:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 18:52	1
Chromium	0.089		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:52	1
Cobalt	0.023	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:52	1
Copper	0.069		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:52	1
Iron	74		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 18:52	1
Lead	0.034		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 18:52	1
Manganese	0.32		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:52	1
Nickel	0.084		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 18:52	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 18:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(0-6)-021715

Lab Sample ID: 500-92329-2

Date Collected: 02/17/15 08:15

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 18:52	1
Zinc	0.18	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 18:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.70	J	1.3	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Arsenic	7.8		0.64	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Barium	59		0.64	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Beryllium	0.78		0.26	0.055	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Cadmium	0.044	J	0.13	0.037	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Calcium	40000		13	4.1	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Chromium	21		0.64	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Cobalt	11		0.32	0.072	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Copper	24		0.64	0.14	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Iron	23000		13	4.9	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Lead	12		0.32	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Magnesium	22000		6.4	2.6	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Manganese	390		0.64	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Nickel	27		0.64	0.17	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Potassium	3000		32	5.2	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Selenium	<0.64		0.64	0.32	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Silver	<0.32		0.32	0.075	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Sodium	270		64	8.4	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Thallium	0.58	J	0.64	0.31	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Vanadium	25		0.32	0.093	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	1
Zinc	46	B	1.3	0.40	mg/Kg	☼	02/19/15 16:59	02/21/15 06:43	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		02/24/15 11:20	02/25/15 09:04	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		02/23/15 12:00	02/24/15 12:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		20	6.9	ug/Kg	☼	02/19/15 16:00	02/20/15 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.15		0.200	0.200	SU			02/20/15 12:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715

Lab Sample ID: 500-92329-3

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/19/15 23:34	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		02/19/15 23:34	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 23:34	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/19/15 23:34	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/19/15 23:34	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/19/15 23:34	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 23:34	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/19/15 23:34	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 23:34	1
Chloroform	<6.0		6.0	0.70	ug/Kg	☼		02/19/15 23:34	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/19/15 23:34	1
cis-1,2-Dichloroethene	<6.0		6.0	0.86	ug/Kg	☼		02/19/15 23:34	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/19/15 23:34	1
Dibromochloromethane	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 23:34	1
1,1-Dichloroethane	<6.0		6.0	0.96	ug/Kg	☼		02/19/15 23:34	1
1,2-Dichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/19/15 23:34	1
1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/19/15 23:34	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		02/19/15 23:34	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/19/15 23:34	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/19/15 23:34	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/19/15 23:34	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 23:34	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/19/15 23:34	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 23:34	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 23:34	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/19/15 23:34	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/19/15 23:34	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/19/15 23:34	1
Toluene	<6.0		6.0	0.85	ug/Kg	☼		02/19/15 23:34	1
trans-1,2-Dichloroethene	<6.0 *		6.0	0.83	ug/Kg	☼		02/19/15 23:34	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 23:34	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/19/15 23:34	1
1,1,2-Trichloroethane	<6.0		6.0	0.83	ug/Kg	☼		02/19/15 23:34	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 23:34	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/19/15 23:34	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/19/15 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		02/19/15 23:34	1
Dibromofluoromethane	88		75 - 120		02/19/15 23:34	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134		02/19/15 23:34	1
Toluene-d8 (Surr)	99		75 - 122		02/19/15 23:34	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	☼	02/19/15 07:10	02/20/15 12:50	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715

Lab Sample ID: 500-92329-3

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.7

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	*	02/19/15 07:10	02/20/15 12:50	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2,4-Dinitrophenol	<800		800	690	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2-Chloronaphthalene	<200		200	44	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2-Chlorophenol	<200		200	67	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2-Methylphenol	<200		200	63	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2-Nitroaniline	<200		200	53	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
2-Nitrophenol	<390		390	93	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
3-Nitroaniline	<390		390	120	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4-Chloroaniline	<800		800	190	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4-Nitroaniline	<390		390	170	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
4-Nitrophenol	<800		800	380	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Acenaphthene	<39		39	7.1	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Acenaphthylene	<39		39	5.2	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Anthracene	<39		39	6.6	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Carbazole	<200		200	100	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Chrysene	<39		39	11	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Dibenzofuran	<200		200	46	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Diethyl phthalate	<200		200	67	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Dimethyl phthalate	<200		200	52	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Fluoranthene	<39		39	7.3	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Fluorene	<39		39	5.5	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Hexachlorobenzene	<80		80	9.1	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Hexachlorobutadiene	<200		200	62	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1
Hexachloroethane	<200		200	60	ug/Kg	*	02/19/15 07:10	02/20/15 12:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715

Lab Sample ID: 500-92329-3

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.7

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	<39		39	10	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Phenol	<200		200	88	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Pyrene	<39		39	7.8	ug/Kg	☼	02/19/15 07:10	02/20/15 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137				02/19/15 07:10	02/20/15 12:50	1
2-Fluorobiphenyl	61		25 - 119				02/19/15 07:10	02/20/15 12:50	1
2-Fluorophenol	58		25 - 110				02/19/15 07:10	02/20/15 12:50	1
Nitrobenzene-d5	55		25 - 115				02/19/15 07:10	02/20/15 12:50	1
Phenol-d5	59		31 - 110				02/19/15 07:10	02/20/15 12:50	1
Terphenyl-d14	87		36 - 134				02/19/15 07:10	02/20/15 12:50	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		02/24/15 09:10	02/24/15 16:09	1
Barium	0.42	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 16:09	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:09	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:09	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:09	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 16:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 16:09	1
Manganese	0.77		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:09	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:09	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 16:09	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:09	1
Zinc	0.084	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		02/23/15 15:30	02/24/15 19:32	1
Barium	0.21	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 19:32	1
Chromium	0.064		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:32	1
Cobalt	0.014	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:32	1
Copper	0.10		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:32	1
Iron	51		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 19:32	1
Lead	0.029		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 19:32	1
Manganese	0.32		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:32	1
Nickel	0.064		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 19:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715

Lab Sample ID: 500-92329-3

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 19:32	1
Zinc	0.15	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 19:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.2	0.24	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Arsenic	6.0		0.58	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Barium	46		0.58	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Beryllium	0.73		0.23	0.050	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Cadmium	<0.12		0.12	0.034	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Calcium	42000		12	3.7	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Chromium	21		0.58	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Cobalt	7.9		0.29	0.065	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Copper	23		0.58	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Iron	20000		12	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Lead	10		0.29	0.14	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Magnesium	23000		5.8	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Manganese	310		0.58	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Nickel	27		0.58	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Potassium	3600		29	4.7	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Sodium	220		58	7.6	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Thallium	0.74		0.58	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Vanadium	22		0.29	0.085	mg/Kg	☼	02/19/15 16:59	02/21/15 06:49	1
Zinc	44	B	1.2	0.37	mg/Kg	☼	02/19/15 16:59	02/21/15 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		02/24/15 11:20	02/25/15 09:06	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		02/23/15 12:00	02/24/15 13:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		18	6.3	ug/Kg	☼	02/19/15 16:00	02/20/15 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			02/20/15 12:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715D

Lab Sample ID: 500-92329-4

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/19/15 23:57	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/19/15 23:57	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 23:57	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/19/15 23:57	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/19/15 23:57	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/19/15 23:57	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 23:57	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/19/15 23:57	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 23:57	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/19/15 23:57	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/19/15 23:57	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/19/15 23:57	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/19/15 23:57	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/19/15 23:57	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/19/15 23:57	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/19/15 23:57	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		02/19/15 23:57	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		02/19/15 23:57	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/19/15 23:57	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/19/15 23:57	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/19/15 23:57	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 23:57	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/19/15 23:57	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/19/15 23:57	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		02/19/15 23:57	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/19/15 23:57	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/19/15 23:57	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/19/15 23:57	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/19/15 23:57	1
trans-1,2-Dichloroethene	<6.0 *		6.0	0.83	ug/Kg	☼		02/19/15 23:57	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/19/15 23:57	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/19/15 23:57	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/19/15 23:57	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		02/19/15 23:57	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/19/15 23:57	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/19/15 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		02/19/15 23:57	1
Dibromofluoromethane	92		75 - 120		02/19/15 23:57	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		02/19/15 23:57	1
Toluene-d8 (Surr)	99		75 - 122		02/19/15 23:57	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	43	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715D

Lab Sample ID: 500-92329-4

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

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	<390		390	90	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Anthracene	<39		39	6.6	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Chrysene	<39		39	11	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Fluorene	<39		39	5.6	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715D

Lab Sample ID: 500-92329-4

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

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	<39		39	10	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Phenol	<200		200	88	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1
Pyrene	8.3	J	39	7.9	ug/Kg	☼	02/19/15 07:10	02/20/15 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		35 - 137	02/19/15 07:10	02/20/15 13:10	1
2-Fluorobiphenyl	64		25 - 119	02/19/15 07:10	02/20/15 13:10	1
2-Fluorophenol	73		25 - 110	02/19/15 07:10	02/20/15 13:10	1
Nitrobenzene-d5	60		25 - 115	02/19/15 07:10	02/20/15 13:10	1
Phenol-d5	70		31 - 110	02/19/15 07:10	02/20/15 13:10	1
Terphenyl-d14	107		36 - 134	02/19/15 07:10	02/20/15 13:10	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		02/24/15 09:10	02/24/15 16:15	1
Barium	0.40	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 16:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 16:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 16:15	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:15	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:15	1
Copper	0.028		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:15	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 16:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 16:15	1
Manganese	0.75		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:15	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:15	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 16:15	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:15	1
Zinc	0.16	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 16:15	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		02/23/15 15:30	02/24/15 19:38	1
Barium	0.17	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 19:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 19:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 19:38	1
Chromium	0.057		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:38	1
Cobalt	0.013	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:38	1
Copper	0.050		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:38	1
Iron	43		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 19:38	1
Lead	0.020		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 19:38	1
Manganese	0.26		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:38	1
Nickel	0.055		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:38	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 19:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-11(6-11)-021715D

Lab Sample ID: 500-92329-4

Date Collected: 02/17/15 08:20

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 19:38	1
Zinc	0.12	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 19:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Arsenic	5.5		0.60	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Barium	41		0.60	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Beryllium	0.72		0.24	0.052	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Cadmium	<0.12		0.12	0.035	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Calcium	45000		12	3.8	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Chromium	20		0.60	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Cobalt	14		0.30	0.067	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Copper	20		0.60	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Iron	19000		12	4.6	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Lead	9.2		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Magnesium	24000		6.0	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Manganese	390		0.60	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Nickel	29		0.60	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Potassium	3600		30	4.9	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Sodium	240		60	7.9	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Thallium	0.71		0.60	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Vanadium	21		0.30	0.087	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	1
Zinc	43	B	1.2	0.38	mg/Kg	☼	02/19/15 16:59	02/21/15 06:55	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		02/24/15 11:20	02/25/15 09:08	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		02/23/15 12:00	02/24/15 13:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		18	6.2	ug/Kg	☼	02/19/15 16:00	02/20/15 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19		0.200	0.200	SU			02/20/15 12:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(0-6)-021715

Lab Sample ID: 500-92329-5

Date Collected: 02/17/15 08:35

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 85.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		02/20/15 00:21	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		02/20/15 00:21	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/20/15 00:21	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		02/20/15 00:21	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		02/20/15 00:21	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		02/20/15 00:21	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		02/20/15 00:21	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		02/20/15 00:21	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		02/20/15 00:21	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		02/20/15 00:21	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 00:21	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		02/20/15 00:21	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		02/20/15 00:21	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/20/15 00:21	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		02/20/15 00:21	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		02/20/15 00:21	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		02/20/15 00:21	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		02/20/15 00:21	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		02/20/15 00:21	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 00:21	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		02/20/15 00:21	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		02/20/15 00:21	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		02/20/15 00:21	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		02/20/15 00:21	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		02/20/15 00:21	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		02/20/15 00:21	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 00:21	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		02/20/15 00:21	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		02/20/15 00:21	1
trans-1,2-Dichloroethene	<5.9 *		5.9	0.81	ug/Kg	☼		02/20/15 00:21	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		02/20/15 00:21	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		02/20/15 00:21	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		02/20/15 00:21	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		02/20/15 00:21	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 00:21	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		02/20/15 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		02/20/15 00:21	1
Dibromofluoromethane	90		75 - 120		02/20/15 00:21	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		02/20/15 00:21	1
Toluene-d8 (Surr)	98		75 - 122		02/20/15 00:21	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	☼	02/19/15 07:10	02/23/15 16:44	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(0-6)-021715

Lab Sample ID: 500-92329-5

Date Collected: 02/17/15 08:35

Matrix: Solid

Date Received: 02/17/15 15:45

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	<380		380	88	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Anthracene	<38		38	6.5	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Benzo[a]anthracene	25 J		38	5.2	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Benzo[a]pyrene	26 J		38	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Benzo[b]fluoranthene	44		38	8.3	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Benzo[g,h,i]perylene	22 J		38	12	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Benzo[k]fluoranthene	16 J		38	11	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Carbazole	<190		190	100	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Chrysene	29 J		38	11	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Fluoranthene	60		38	7.2	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Hexachloroethane	<190		190	59	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(0-6)-021715

Lab Sample ID: 500-92329-5

Date Collected: 02/17/15 08:35

Matrix: Solid

Date Received: 02/17/15 15:45

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	16	J	38	10	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Isophorone	<190		190	43	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Phenanthrene	32	J	38	5.4	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Phenol	<190		190	86	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Pyrene	49		38	7.7	ug/Kg	☼	02/19/15 07:10	02/23/15 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		35 - 137				02/19/15 07:10	02/23/15 16:44	1
2-Fluorobiphenyl	66		25 - 119				02/19/15 07:10	02/23/15 16:44	1
2-Fluorophenol	60		25 - 110				02/19/15 07:10	02/23/15 16:44	1
Nitrobenzene-d5	66		25 - 115				02/19/15 07:10	02/23/15 16:44	1
Phenol-d5	63		31 - 110				02/19/15 07:10	02/23/15 16:44	1
Terphenyl-d14	80		36 - 134				02/19/15 07:10	02/23/15 16:44	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		02/24/15 09:10	02/24/15 16:22	1
Barium	0.39	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 16:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 16:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 16:22	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:22	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:22	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:22	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 16:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 16:22	1
Manganese	0.15		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:22	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:22	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 16:22	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:22	1
Zinc	0.098	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 16:22	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		02/23/15 15:30	02/24/15 19:44	1
Barium	0.20	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 19:44	1
Chromium	0.063		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:44	1
Cobalt	0.018	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:44	1
Copper	0.085		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:44	1
Iron	62		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 19:44	1
Lead	0.031		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 19:44	1
Manganese	0.24		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:44	1
Nickel	0.085		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 19:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(0-6)-021715

Lab Sample ID: 500-92329-5

Date Collected: 02/17/15 08:35

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 19:44	1
Zinc	0.19	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 19:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.1	0.23	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Arsenic	5.3		0.55	0.26	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Barium	40		0.55	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Beryllium	0.50		0.22	0.048	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Cadmium	0.10	J	0.11	0.032	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Calcium	98000		110	36	mg/Kg	☼	02/19/15 16:59	02/23/15 15:32	10
Chromium	14		0.55	0.095	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Cobalt	5.3		0.28	0.062	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Copper	17		0.55	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Iron	14000		11	4.3	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Lead	8.6		0.28	0.14	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Magnesium	23000		5.5	2.2	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Manganese	260		0.55	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Nickel	19		0.55	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Potassium	2200		28	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Sodium	240		55	7.3	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Thallium	0.31	J	0.55	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Vanadium	15		0.28	0.081	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	1
Zinc	35	B	1.1	0.35	mg/Kg	☼	02/19/15 16:59	02/21/15 07:02	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		02/24/15 11:20	02/25/15 09:10	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		02/23/15 12:00	02/24/15 13:05	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		19	6.5	ug/Kg	☼	02/19/15 16:00	02/20/15 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.43		0.200	0.200	SU			02/20/15 12:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(6-11)-021715

Lab Sample ID: 500-92329-6

Date Collected: 02/17/15 08:40

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.7	ug/Kg	☼		02/20/15 00:45	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		02/20/15 00:45	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 00:45	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/20/15 00:45	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		02/20/15 00:45	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		02/20/15 00:45	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 00:45	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		02/20/15 00:45	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		02/20/15 00:45	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		02/20/15 00:45	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 00:45	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		02/20/15 00:45	1
cis-1,3-Dichloropropene	<6.1		6.1	0.81	ug/Kg	☼		02/20/15 00:45	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 00:45	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		02/20/15 00:45	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/20/15 00:45	1
1,1,1-Dichloroethane	<6.1		6.1	0.99	ug/Kg	☼		02/20/15 00:45	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		02/20/15 00:45	1
1,3-Dichloropropene, Total	<6.1		6.1	0.81	ug/Kg	☼		02/20/15 00:45	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 00:45	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		02/20/15 00:45	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		02/20/15 00:45	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/20/15 00:45	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 00:45	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 00:45	1
Styrene	<6.1		6.1	0.81	ug/Kg	☼		02/20/15 00:45	1
1,1,1,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 00:45	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		02/20/15 00:45	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		02/20/15 00:45	1
trans-1,2-Dichloroethene	<6.1	*	6.1	0.85	ug/Kg	☼		02/20/15 00:45	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 00:45	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		02/20/15 00:45	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		02/20/15 00:45	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 00:45	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 00:45	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		02/20/15 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		02/20/15 00:45	1
Dibromofluoromethane	88		75 - 120		02/20/15 00:45	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		02/20/15 00:45	1
Toluene-d8 (Surr)	102		75 - 122		02/20/15 00:45	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	☼	02/19/15 07:10	02/23/15 18:03	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(6-11)-021715

Lab Sample ID: 500-92329-6

Date Collected: 02/17/15 08:40

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.4

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	☼	02/19/15 07:10	02/23/15 18:03	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Benzo[a]anthracene	12 J		40	5.4	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Benzo[a]pyrene	17 J		40	7.8	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Benzo[b]fluoranthene	25 J		40	8.7	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Chrysene	25 J		40	11	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Fluoranthene	38 J		40	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(6-11)-021715

Lab Sample ID: 500-92329-6

Date Collected: 02/17/15 08:40

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.4

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	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Isophorone	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Phenanthrene	29	J	40	5.6	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Phenol	<200		200	90	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Pyrene	29	J	40	8.0	ug/Kg	☼	02/19/15 07:10	02/23/15 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		35 - 137				02/19/15 07:10	02/23/15 18:03	1
2-Fluorobiphenyl	65		25 - 119				02/19/15 07:10	02/23/15 18:03	1
2-Fluorophenol	57		25 - 110				02/19/15 07:10	02/23/15 18:03	1
Nitrobenzene-d5	62		25 - 115				02/19/15 07:10	02/23/15 18:03	1
Phenol-d5	61		31 - 110				02/19/15 07:10	02/23/15 18:03	1
Terphenyl-d14	77		36 - 134				02/19/15 07:10	02/23/15 18:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Barium	0.52		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 16:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 16:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 16:43	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Copper	0.054		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 16:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 16:43	1
Manganese	0.68		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 16:43	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:43	1
Zinc	0.21	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 16:43	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		02/23/15 15:30	02/24/15 19:50	1
Barium	0.24	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 19:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 19:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 19:50	1
Chromium	0.076		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:50	1
Cobalt	0.022	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:50	1
Copper	0.16		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:50	1
Iron	64		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 19:50	1
Lead	0.042		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 19:50	1
Manganese	0.31		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:50	1
Nickel	0.085		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:50	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 19:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-9(6-11)-021715

Lab Sample ID: 500-92329-6

Date Collected: 02/17/15 08:40

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 19:50	1
Zinc	0.21	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 19:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Arsenic	8.9		0.60	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Barium	36		0.60	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Beryllium	0.49		0.24	0.052	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Cadmium	0.10	J	0.12	0.035	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Calcium	79000		120	39	mg/Kg	☼	02/19/15 16:59	02/23/15 15:36	10
Chromium	13		0.60	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Cobalt	9.2		0.30	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Copper	25		0.60	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Iron	18000		12	4.6	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Lead	14		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Magnesium	28000		6.0	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Manganese	520		0.60	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Nickel	26		0.60	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Potassium	2000		30	4.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Sodium	380		60	7.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Thallium	0.90		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Vanadium	16		0.30	0.088	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	1
Zinc	44	B	1.2	0.38	mg/Kg	☼	02/19/15 16:59	02/21/15 07:23	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		02/24/15 11:20	02/25/15 09:12	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		02/23/15 12:00	02/24/15 13:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	31		18	6.3	ug/Kg	☼	02/19/15 16:00	02/20/15 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00		0.200	0.200	SU			02/20/15 12:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-8(0-5)-021715

Lab Sample ID: 500-92329-7

Date Collected: 02/17/15 08:55

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 80.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		02/20/15 01:10	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		02/20/15 01:10	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 01:10	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/20/15 01:10	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/20/15 01:10	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		02/20/15 01:10	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 01:10	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		02/20/15 01:10	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 01:10	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		02/20/15 01:10	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 01:10	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		02/20/15 01:10	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		02/20/15 01:10	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 01:10	1
1,1-Dichloroethane	<6.2		6.2	0.99	ug/Kg	☼		02/20/15 01:10	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/20/15 01:10	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 01:10	1
1,2-Dichloropropane	<6.2		6.2	0.95	ug/Kg	☼		02/20/15 01:10	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		02/20/15 01:10	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 01:10	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/20/15 01:10	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 01:10	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		02/20/15 01:10	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/20/15 01:10	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 01:10	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		02/20/15 01:10	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 01:10	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		02/20/15 01:10	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		02/20/15 01:10	1
trans-1,2-Dichloroethene	<6.2 *		6.2	0.86	ug/Kg	☼		02/20/15 01:10	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 01:10	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		02/20/15 01:10	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		02/20/15 01:10	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 01:10	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 01:10	1
Xylenes, Total	<12		12	0.57	ug/Kg	☼		02/20/15 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		02/20/15 01:10	1
Dibromofluoromethane	92		75 - 120		02/20/15 01:10	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134		02/20/15 01:10	1
Toluene-d8 (Surr)	99		75 - 122		02/20/15 01:10	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	☼	02/19/15 07:10	02/23/15 18:23	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-8(0-5)-021715

Lab Sample ID: 500-92329-7

Date Collected: 02/17/15 08:55

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 80.1

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	☼	02/19/15 07:10	02/23/15 18:23	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Benzo[a]anthracene	20 J		40	5.4	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Benzo[a]pyrene	22 J		40	7.8	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Benzo[b]fluoranthene	38 J		40	8.7	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Benzo[k]fluoranthene	18 J		40	12	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Chrysene	37 J		40	11	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Fluoranthene	42		40	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-8(0-5)-021715

Lab Sample ID: 500-92329-7

Date Collected: 02/17/15 08:55

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 80.1

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	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Isophorone	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Phenanthrene	21	J	40	5.6	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Phenol	<200		200	90	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Pyrene	44		40	8.0	ug/Kg	☼	02/19/15 07:10	02/23/15 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				02/19/15 07:10	02/23/15 18:23	1
2-Fluorobiphenyl	61		25 - 119				02/19/15 07:10	02/23/15 18:23	1
2-Fluorophenol	54		25 - 110				02/19/15 07:10	02/23/15 18:23	1
Nitrobenzene-d5	54		25 - 115				02/19/15 07:10	02/23/15 18:23	1
Phenol-d5	56		31 - 110				02/19/15 07:10	02/23/15 18:23	1
Terphenyl-d14	85		36 - 134				02/19/15 07:10	02/23/15 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		02/24/15 09:10	02/24/15 16:49	1
Barium	0.72		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 16:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 16:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 16:49	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:49	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:49	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:49	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 16:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 16:49	1
Manganese	0.18		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:49	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:49	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 16:49	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 16:49	1
Zinc	0.085	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.091		0.050	0.010	mg/L		02/23/15 15:30	02/24/15 19:57	1
Barium	1.2		0.50	0.050	mg/L		02/23/15 15:30	02/24/15 19:57	1
Beryllium	0.012		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 19:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 19:57	1
Chromium	0.31		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:57	1
Cobalt	0.084		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:57	1
Copper	0.36		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:57	1
Iron	280		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 19:57	1
Lead	0.40		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 19:57	1
Manganese	1.3		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:57	1
Nickel	0.30		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 19:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 19:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-8(0-5)-021715

Lab Sample ID: 500-92329-7

Date Collected: 02/17/15 08:55

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 19:57	1
Zinc	0.76	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 19:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Arsenic	5.8		0.60	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Barium	88		0.60	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Beryllium	0.79		0.24	0.052	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Cadmium	0.12		0.12	0.035	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Calcium	32000		12	3.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Chromium	22		0.60	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Cobalt	9.7		0.30	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Copper	26		0.60	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Iron	21000		12	4.6	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Lead	51		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Magnesium	18000		6.0	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Manganese	320		0.60	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Nickel	27		0.60	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Potassium	3100		30	4.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Sodium	2400		60	8.0	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Thallium	0.47	J	0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Vanadium	24		0.30	0.088	mg/Kg	☼	02/19/15 16:59	02/21/15 07:29	1
Zinc	57	B	1.2	0.38	mg/Kg	☼	02/19/15 16:59	02/21/15 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		02/24/15 11:20	02/25/15 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34		0.20	0.20	ug/L		02/23/15 12:00	02/24/15 13:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		21	7.3	ug/Kg	☼	02/19/15 16:00	02/20/15 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.33		0.200	0.200	SU			02/20/15 12:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(0-6)-021715

Lab Sample ID: 500-92329-10

Date Collected: 02/17/15 09:35

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		02/20/15 02:21	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		02/20/15 02:21	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 02:21	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/20/15 02:21	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		02/20/15 02:21	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		02/20/15 02:21	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 02:21	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		02/20/15 02:21	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		02/20/15 02:21	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		02/20/15 02:21	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 02:21	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		02/20/15 02:21	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		02/20/15 02:21	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 02:21	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		02/20/15 02:21	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		02/20/15 02:21	1
1,1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		02/20/15 02:21	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		02/20/15 02:21	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		02/20/15 02:21	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 02:21	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		02/20/15 02:21	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 02:21	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/20/15 02:21	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 02:21	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 02:21	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		02/20/15 02:21	1
1,1,1,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 02:21	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		02/20/15 02:21	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		02/20/15 02:21	1
trans-1,2-Dichloroethene	<6.1	*	6.1	0.84	ug/Kg	☼		02/20/15 02:21	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 02:21	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/20/15 02:21	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		02/20/15 02:21	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 02:21	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 02:21	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/20/15 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		02/20/15 02:21	1
Dibromofluoromethane	93		75 - 120		02/20/15 02:21	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		02/20/15 02:21	1
Toluene-d8 (Surr)	97		75 - 122		02/20/15 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	<200		200	43	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(0-6)-021715

Lab Sample ID: 500-92329-10

Date Collected: 02/17/15 09:35

Matrix: Solid

Date Received: 02/17/15 15:45

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	*	02/19/15 07:10	02/20/15 14:11	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2,4-Dinitrophenol	<800		800	690	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2-Chloronaphthalene	<200		200	44	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2-Chlorophenol	<200		200	67	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2-Methylphenol	<200		200	63	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2-Nitroaniline	<200		200	53	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
2-Nitrophenol	<390		390	93	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
3-Nitroaniline	<390		390	120	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4-Chloroaniline	<800		800	190	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4-Nitroaniline	<390		390	170	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
4-Nitrophenol	<800		800	380	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Acenaphthene	<39		39	7.1	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Acenaphthylene	<39		39	5.2	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Anthracene	<39		39	6.6	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Carbazole	<200		200	100	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Chrysene	<39		39	11	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Dibenzofuran	<200		200	46	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Diethyl phthalate	<200		200	67	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Dimethyl phthalate	<200		200	52	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Fluoranthene	<39		39	7.3	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Fluorene	<39		39	5.5	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Hexachlorobenzene	<80		80	9.1	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Hexachlorobutadiene	<200		200	62	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1
Hexachloroethane	<200		200	60	ug/Kg	*	02/19/15 07:10	02/20/15 14:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(0-6)-021715

Lab Sample ID: 500-92329-10

Date Collected: 02/17/15 09:35

Matrix: Solid

Date Received: 02/17/15 15:45

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	☼	02/19/15 07:10	02/20/15 14:11	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Phenol	<200		200	88	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Pyrene	<39		39	7.8	ug/Kg	☼	02/19/15 07:10	02/20/15 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		35 - 137				02/19/15 07:10	02/20/15 14:11	1
2-Fluorobiphenyl	48		25 - 119				02/19/15 07:10	02/20/15 14:11	1
2-Fluorophenol	48		25 - 110				02/19/15 07:10	02/20/15 14:11	1
Nitrobenzene-d5	42		25 - 115				02/19/15 07:10	02/20/15 14:11	1
Phenol-d5	49		31 - 110				02/19/15 07:10	02/20/15 14:11	1
Terphenyl-d14	80		36 - 134				02/19/15 07:10	02/20/15 14:11	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		02/24/15 09:10	02/24/15 17:08	1
Barium	0.49	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:08	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:08	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:08	1
Copper	0.046		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:08	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:08	1
Manganese	0.17		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:08	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:08	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:08	1
Zinc	0.12	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 17:08	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		02/23/15 15:30	02/24/15 20:15	1
Barium	0.36	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 20:15	1
Beryllium	0.0047		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 20:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 20:15	1
Chromium	0.12		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:15	1
Cobalt	0.023	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:15	1
Copper	0.11		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:15	1
Iron	95		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 20:15	1
Lead	0.040		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 20:15	1
Manganese	0.36		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:15	1
Nickel	0.096		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:15	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 20:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(0-6)-021715

Lab Sample ID: 500-92329-10

Date Collected: 02/17/15 09:35

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 20:15	1
Zinc	0.23	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 20:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Arsenic	8.5		0.60	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Barium	62		0.60	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Beryllium	0.79		0.24	0.052	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Cadmium	<0.12		0.12	0.035	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Calcium	25000		12	3.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Chromium	20		0.60	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Cobalt	13		0.30	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Copper	22		0.60	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Iron	22000		12	4.6	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Lead	14		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Magnesium	16000		6.0	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Manganese	550		0.60	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Nickel	30		0.60	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Potassium	2700		30	4.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Sodium	430		60	7.9	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Thallium	0.98		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Vanadium	26		0.30	0.088	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	1
Zinc	44	B	1.2	0.38	mg/Kg	☼	02/19/15 16:59	02/21/15 07:48	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		02/24/15 11:20	02/25/15 09:28	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		02/23/15 12:00	02/24/15 13:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		18	6.2	ug/Kg	☼	02/19/15 16:00	02/20/15 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.58		0.200	0.200	SU			02/20/15 13:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(6-11)-021715

Lab Sample ID: 500-92329-11

Date Collected: 02/17/15 09:40

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		02/20/15 02:46	1
Benzene	<6.2		6.2	0.84	ug/Kg	☼		02/20/15 02:46	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 02:46	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/20/15 02:46	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/20/15 02:46	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		02/20/15 02:46	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 02:46	1
Chlorobenzene	<6.2		6.2	0.62	ug/Kg	☼		02/20/15 02:46	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 02:46	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		02/20/15 02:46	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 02:46	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		02/20/15 02:46	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		02/20/15 02:46	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 02:46	1
1,1-Dichloroethane	<6.2		6.2	0.97	ug/Kg	☼		02/20/15 02:46	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		02/20/15 02:46	1
1,1,1-Dichloroethane	<6.2		6.2	0.99	ug/Kg	☼		02/20/15 02:46	1
1,2-Dichloropropane	<6.2		6.2	0.93	ug/Kg	☼		02/20/15 02:46	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		02/20/15 02:46	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		02/20/15 02:46	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/20/15 02:46	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 02:46	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		02/20/15 02:46	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/20/15 02:46	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 02:46	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		02/20/15 02:46	1
1,1,1,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		02/20/15 02:46	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		02/20/15 02:46	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		02/20/15 02:46	1
trans-1,2-Dichloroethene	<6.2 *		6.2	0.85	ug/Kg	☼		02/20/15 02:46	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 02:46	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/20/15 02:46	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		02/20/15 02:46	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 02:46	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 02:46	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		02/20/15 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		02/20/15 02:46	1
Dibromofluoromethane	91		75 - 120		02/20/15 02:46	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		02/20/15 02:46	1
Toluene-d8 (Surr)	99		75 - 122		02/20/15 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	☼	02/19/15 07:10	02/20/15 14:31	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(6-11)-021715

Lab Sample ID: 500-92329-11

Date Collected: 02/17/15 09:40

Matrix: Solid

Date Received: 02/17/15 15:45

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	91	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Benzo[b]fluoranthene	9.4 J		40	8.6	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Chrysene	12 J		40	11	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Fluoranthene	15 J		40	7.4	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(6-11)-021715

Lab Sample ID: 500-92329-11

Date Collected: 02/17/15 09:40

Matrix: Solid

Date Received: 02/17/15 15:45

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	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Isophorone	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Phenanthrene	8.9	J	40	5.6	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Phenol	<200		200	89	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1
Pyrene	14	J	40	7.9	ug/Kg	☼	02/19/15 07:10	02/20/15 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137	02/19/15 07:10	02/20/15 14:31	1
2-Fluorobiphenyl	64		25 - 119	02/19/15 07:10	02/20/15 14:31	1
2-Fluorophenol	63		25 - 110	02/19/15 07:10	02/20/15 14:31	1
Nitrobenzene-d5	59		25 - 115	02/19/15 07:10	02/20/15 14:31	1
Phenol-d5	66		31 - 110	02/19/15 07:10	02/20/15 14:31	1
Terphenyl-d14	72		36 - 134	02/19/15 07:10	02/20/15 14:31	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		02/24/15 09:10	02/24/15 17:14	1
Barium	0.45	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:14	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:14	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:14	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:14	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:14	1
Manganese	0.49		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:14	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:14	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:14	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:14	1
Zinc	0.096	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 17:14	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		02/23/15 15:30	02/24/15 20:36	1
Barium	0.29	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 20:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 20:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 20:36	1
Chromium	0.086		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:36	1
Cobalt	0.018	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:36	1
Copper	0.090		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:36	1
Iron	63		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 20:36	1
Lead	0.032		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 20:36	1
Manganese	0.36		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:36	1
Nickel	0.075		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:36	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 20:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-10(6-11)-021715

Lab Sample ID: 500-92329-11

Date Collected: 02/17/15 09:40

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 20:36	1
Zinc	0.17	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 20:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Arsenic	5.7		0.59	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Barium	44		0.59	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Beryllium	0.69		0.24	0.051	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Cadmium	<0.12		0.12	0.034	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Calcium	48000		12	3.8	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Chromium	20		0.59	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Cobalt	8.5		0.30	0.067	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Copper	21		0.59	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Iron	19000		12	4.6	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Lead	9.5		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Magnesium	24000		5.9	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Manganese	360		0.59	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Nickel	26		0.59	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Potassium	3200		30	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Sodium	390		59	7.8	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Thallium	0.82		0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Vanadium	20		0.30	0.087	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	1
Zinc	42	B	1.2	0.38	mg/Kg	☼	02/19/15 16:59	02/21/15 07:54	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		02/24/15 11:20	02/25/15 09:29	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		02/23/15 12:00	02/24/15 13:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		18	6.1	ug/Kg	☼	02/19/15 16:00	02/20/15 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.34		0.200	0.200	SU			02/20/15 13:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(0-6)-021715

Lab Sample ID: 500-92329-12

Date Collected: 02/17/15 09:55

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 78.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		02/20/15 03:10	1
Benzene	<6.3		6.3	0.87	ug/Kg	☼		02/20/15 03:10	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 03:10	1
Bromoform	<6.3		6.3	1.5	ug/Kg	☼		02/20/15 03:10	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		02/20/15 03:10	1
Carbon disulfide	<6.3		6.3	0.95	ug/Kg	☼		02/20/15 03:10	1
Carbon tetrachloride	<6.3		6.3	1.2	ug/Kg	☼		02/20/15 03:10	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		02/20/15 03:10	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 03:10	1
Chloroform	<6.3		6.3	0.73	ug/Kg	☼		02/20/15 03:10	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 03:10	1
cis-1,2-Dichloroethene	<6.3		6.3	0.90	ug/Kg	☼		02/20/15 03:10	1
cis-1,3-Dichloropropene	<6.3		6.3	0.83	ug/Kg	☼		02/20/15 03:10	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 03:10	1
1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 03:10	1
1,2-Dichloroethane	<6.3		6.3	0.94	ug/Kg	☼		02/20/15 03:10	1
1,1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 03:10	1
1,2-Dichloropropane	<6.3		6.3	0.96	ug/Kg	☼		02/20/15 03:10	1
1,3-Dichloropropene, Total	<6.3		6.3	0.83	ug/Kg	☼		02/20/15 03:10	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 03:10	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		02/20/15 03:10	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 03:10	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		02/20/15 03:10	1
methyl isobutyl ketone	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 03:10	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 03:10	1
Styrene	<6.3		6.3	0.83	ug/Kg	☼		02/20/15 03:10	1
1,1,1,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 03:10	1
Tetrachloroethene	<6.3		6.3	0.97	ug/Kg	☼		02/20/15 03:10	1
Toluene	<6.3		6.3	0.89	ug/Kg	☼		02/20/15 03:10	1
trans-1,2-Dichloroethene	<6.3 *		6.3	0.87	ug/Kg	☼		02/20/15 03:10	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 03:10	1
1,1,1-Trichloroethane	<6.3		6.3	0.95	ug/Kg	☼		02/20/15 03:10	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		02/20/15 03:10	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 03:10	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 03:10	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		02/20/15 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		02/20/15 03:10	1
Dibromofluoromethane	89		75 - 120		02/20/15 03:10	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		02/20/15 03:10	1
Toluene-d8 (Surr)	96		75 - 122		02/20/15 03:10	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	☼	02/19/15 07:10	02/20/15 14:51	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(0-6)-021715

Lab Sample ID: 500-92329-12

Date Collected: 02/17/15 09:55

Matrix: Solid

Date Received: 02/17/15 15:45

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	<420		420	96	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2-Methylnaphthalene	<42		42	7.7	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Acenaphthylene	<42		42	5.5	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Anthracene	<42		42	7.0	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Benzo[a]anthracene	31 J		42	5.7	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Benzo[a]pyrene	36 J		42	8.1	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Benzo[b]fluoranthene	53		42	9.1	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Benzo[g,h,i]perylene	32 J		42	14	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Benzo[k]fluoranthene	26 J		42	12	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Carbazole	<210		210	110	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Chrysene	42		42	11	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Dibenz(a,h)anthracene	<42		42	8.1	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Dibenzofuran	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Fluoranthene	91		42	7.8	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Fluorene	<42		42	5.9	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Hexachlorobenzene	<85		85	9.7	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Hexachloroethane	<210		210	64	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(0-6)-021715

Lab Sample ID: 500-92329-12

Date Collected: 02/17/15 09:55

Matrix: Solid

Date Received: 02/17/15 15:45

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	25	J	42	11	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Isophorone	<210		210	47	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Naphthalene	<42		42	6.5	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Nitrobenzene	<42		42	10	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Pentachlorophenol	<850		850	670	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Phenanthrene	32	J	42	5.9	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Phenol	<210		210	93	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Pyrene	68		42	8.4	ug/Kg	☼	02/19/15 07:10	02/20/15 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		35 - 137				02/19/15 07:10	02/20/15 14:51	1
2-Fluorobiphenyl	57		25 - 119				02/19/15 07:10	02/20/15 14:51	1
2-Fluorophenol	53		25 - 110				02/19/15 07:10	02/20/15 14:51	1
Nitrobenzene-d5	48		25 - 115				02/19/15 07:10	02/20/15 14:51	1
Phenol-d5	56		31 - 110				02/19/15 07:10	02/20/15 14:51	1
Terphenyl-d14	70		36 - 134				02/19/15 07:10	02/20/15 14:51	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		02/24/15 09:10	02/24/15 17:20	1
Barium	0.58		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:20	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:20	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:20	1
Copper	0.029		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:20	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:20	1
Manganese	0.10		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:20	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:20	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:20	1
Zinc	0.13	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 17:20	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		02/23/15 15:30	02/24/15 20:43	1
Barium	0.54		0.50	0.050	mg/L		02/23/15 15:30	02/24/15 20:43	1
Beryllium	0.0060		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 20:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 20:43	1
Chromium	0.15		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:43	1
Cobalt	0.030		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:43	1
Copper	0.092		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:43	1
Iron	120		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 20:43	1
Lead	0.036		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 20:43	1
Manganese	0.48		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:43	1
Nickel	0.12		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:43	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 20:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(0-6)-021715

Lab Sample ID: 500-92329-12

Date Collected: 02/17/15 09:55

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 20:43	1
Zinc	0.26	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 20:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.71	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Arsenic	5.7		0.60	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Barium	110		0.60	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Beryllium	0.98		0.24	0.052	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Cadmium	<0.12		0.12	0.035	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Calcium	4100		12	3.9	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Chromium	25		0.60	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Cobalt	12		0.30	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Copper	21		0.60	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Iron	25000		12	4.6	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Lead	14		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Magnesium	5300		6.0	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Manganese	390		0.60	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Nickel	27		0.60	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Potassium	2200		30	4.9	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Sodium	970		60	7.9	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Thallium	0.86		0.60	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Vanadium	29		0.30	0.088	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	1
Zinc	52	B	1.2	0.38	mg/Kg	☼	02/19/15 16:59	02/21/15 08:00	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		02/24/15 11:20	02/25/15 09:31	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		02/23/15 12:00	02/24/15 13:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	39		18	6.4	ug/Kg	☼	02/19/15 16:00	02/20/15 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30		0.200	0.200	SU			02/20/15 13:11	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(6-11)-021715

Lab Sample ID: 500-92329-13

Date Collected: 02/17/15 10:00

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		02/20/15 03:34	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		02/20/15 03:34	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/20/15 03:34	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		02/20/15 03:34	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		02/20/15 03:34	1
Carbon disulfide	<5.9		5.9	0.87	ug/Kg	☼		02/20/15 03:34	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		02/20/15 03:34	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		02/20/15 03:34	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		02/20/15 03:34	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		02/20/15 03:34	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 03:34	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		02/20/15 03:34	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		02/20/15 03:34	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		02/20/15 03:34	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		02/20/15 03:34	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		02/20/15 03:34	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		02/20/15 03:34	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		02/20/15 03:34	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		02/20/15 03:34	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 03:34	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		02/20/15 03:34	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		02/20/15 03:34	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		02/20/15 03:34	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		02/20/15 03:34	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		02/20/15 03:34	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		02/20/15 03:34	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 03:34	1
Tetrachloroethene	<5.9		5.9	0.89	ug/Kg	☼		02/20/15 03:34	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		02/20/15 03:34	1
trans-1,2-Dichloroethene	<5.9 *		5.9	0.80	ug/Kg	☼		02/20/15 03:34	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		02/20/15 03:34	1
1,1,1-Trichloroethane	<5.9		5.9	0.87	ug/Kg	☼		02/20/15 03:34	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		02/20/15 03:34	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		02/20/15 03:34	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		02/20/15 03:34	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		02/20/15 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		02/20/15 03:34	1
Dibromofluoromethane	91		75 - 120		02/20/15 03:34	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		02/20/15 03:34	1
Toluene-d8 (Surr)	100		75 - 122		02/20/15 03:34	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	☼	02/19/15 07:10	02/20/15 15:11	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(6-11)-021715

Lab Sample ID: 500-92329-13

Date Collected: 02/17/15 10:00

Matrix: Solid

Date Received: 02/17/15 15:45

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	<380		380	87	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2-Methylphenol	<190		190	61	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Anthracene	<38		38	6.3	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Carbazole	<190		190	98	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Chrysene	<38		38	10	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Fluorene	<38		38	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(6-11)-021715

Lab Sample ID: 500-92329-13

Date Collected: 02/17/15 10:00

Matrix: Solid

Date Received: 02/17/15 15:45

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	<38		38	9.8	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Isophorone	<190		190	43	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Naphthalene	<38		38	5.8	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Phenol	<190		190	84	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Pyrene	<38		38	7.5	ug/Kg	☼	02/19/15 07:10	02/20/15 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		35 - 137				02/19/15 07:10	02/20/15 15:11	1
2-Fluorobiphenyl	55		25 - 119				02/19/15 07:10	02/20/15 15:11	1
2-Fluorophenol	56		25 - 110				02/19/15 07:10	02/20/15 15:11	1
Nitrobenzene-d5	52		25 - 115				02/19/15 07:10	02/20/15 15:11	1
Phenol-d5	56		31 - 110				02/19/15 07:10	02/20/15 15:11	1
Terphenyl-d14	106		36 - 134				02/19/15 07:10	02/20/15 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		02/24/15 09:10	02/24/15 17:26	1
Barium	0.52		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:26	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:26	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:26	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:26	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:26	1
Manganese	0.53		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:26	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:26	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:26	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:26	1
Zinc	0.096	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		02/23/15 15:30	02/24/15 20:49	1
Barium	0.36	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 20:49	1
Beryllium	0.0053		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 20:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 20:49	1
Chromium	0.12		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:49	1
Cobalt	0.037		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:49	1
Copper	0.17		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:49	1
Iron	120		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 20:49	1
Lead	0.056		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 20:49	1
Manganese	0.49		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:49	1
Nickel	0.15		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:49	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 20:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-12(6-11)-021715

Lab Sample ID: 500-92329-13

Date Collected: 02/17/15 10:00

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 20:49	1
Zinc	0.33	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 20:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.23	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Arsenic	4.7		0.55	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Barium	44		0.55	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Beryllium	0.66		0.22	0.047	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Cadmium	0.12		0.11	0.032	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Calcium	46000		11	3.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Chromium	19		0.55	0.094	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Cobalt	6.9		0.27	0.062	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Copper	19		0.55	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Iron	19000		11	4.2	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Lead	8.8		0.27	0.14	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Magnesium	22000		5.5	2.2	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Manganese	300		0.55	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Nickel	25		0.55	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Potassium	3400		27	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Sodium	570		55	7.2	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Thallium	0.82		0.55	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Vanadium	20		0.27	0.080	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	1
Zinc	43	B	1.1	0.35	mg/Kg	☼	02/19/15 16:59	02/21/15 08:07	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		02/24/15 11:20	02/25/15 09:33	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		02/23/15 12:00	02/24/15 13:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		17	6.1	ug/Kg	☼	02/19/15 16:00	02/20/15 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.96		0.200	0.200	SU			02/20/15 13:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-7(0-5)-021715

Lab Sample ID: 500-92329-14

Date Collected: 02/17/15 10:15

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 80.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		02/20/15 03:58	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		02/20/15 03:58	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 03:58	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		02/20/15 03:58	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		02/20/15 03:58	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		02/20/15 03:58	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 03:58	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		02/20/15 03:58	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 03:58	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		02/20/15 03:58	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 03:58	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		02/20/15 03:58	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		02/20/15 03:58	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 03:58	1
1,1-Dichloroethane	<6.2		6.2	0.99	ug/Kg	☼		02/20/15 03:58	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		02/20/15 03:58	1
1,1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 03:58	1
1,2-Dichloropropane	<6.2		6.2	0.95	ug/Kg	☼		02/20/15 03:58	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		02/20/15 03:58	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 03:58	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		02/20/15 03:58	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		02/20/15 03:58	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		02/20/15 03:58	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		02/20/15 03:58	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 03:58	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		02/20/15 03:58	1
1,1,1,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 03:58	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		02/20/15 03:58	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		02/20/15 03:58	1
trans-1,2-Dichloroethene	<6.2 *		6.2	0.86	ug/Kg	☼		02/20/15 03:58	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		02/20/15 03:58	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		02/20/15 03:58	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		02/20/15 03:58	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		02/20/15 03:58	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		02/20/15 03:58	1
Xylenes, Total	<12		12	0.57	ug/Kg	☼		02/20/15 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		02/20/15 03:58	1
Dibromofluoromethane	88		75 - 120		02/20/15 03:58	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		02/20/15 03:58	1
Toluene-d8 (Surr)	100		75 - 122		02/20/15 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	<200		200	43	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-7(0-5)-021715

Lab Sample ID: 500-92329-14

Date Collected: 02/17/15 10:15

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 80.2

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	92	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Anthracene	24 J		40	6.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Benzo[a]anthracene	220		40	5.4	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Benzo[a]pyrene	280		40	7.8	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Benzo[b]fluoranthene	420		40	8.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Benzo[g,h,i]perylene	120		40	13	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Benzo[k]fluoranthene	200		40	12	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Chrysene	280		40	11	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Fluoranthene	560		40	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Fluorene	9.2 J		40	5.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-7(0-5)-021715

Lab Sample ID: 500-92329-14

Date Collected: 02/17/15 10:15

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 80.2

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		40	10	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Isophorone	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Phenanthrene	180		40	5.6	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Phenol	<200		200	89	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Pyrene	490		40	8.0	ug/Kg	☼	02/19/15 07:10	02/23/15 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		35 - 137				02/19/15 07:10	02/23/15 19:03	1
2-Fluorobiphenyl	53		25 - 119				02/19/15 07:10	02/23/15 19:03	1
2-Fluorophenol	44		25 - 110				02/19/15 07:10	02/23/15 19:03	1
Nitrobenzene-d5	44		25 - 115				02/19/15 07:10	02/23/15 19:03	1
Phenol-d5	48		31 - 110				02/19/15 07:10	02/23/15 19:03	1
Terphenyl-d14	74		36 - 134				02/19/15 07:10	02/23/15 19:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Barium	0.50		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:33	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Copper	0.049		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:33	1
Lead	0.016		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:33	1
Manganese	0.040		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:33	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:33	1
Zinc	0.15	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 17:33	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		02/23/15 15:30	02/24/15 20:55	1
Barium	0.27	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 20:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 20:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 20:55	1
Chromium	0.063		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:55	1
Cobalt	0.013	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:55	1
Copper	0.057		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:55	1
Iron	50		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 20:55	1
Lead	0.20		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 20:55	1
Manganese	0.25		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:55	1
Nickel	0.046		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 20:55	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 20:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-7(0-5)-021715

Lab Sample ID: 500-92329-14

Date Collected: 02/17/15 10:15

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 20:55	1
Zinc	0.23	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 20:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J	1.2	0.25	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Arsenic	4.7		0.61	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Barium	53		0.61	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Beryllium	0.50		0.24	0.053	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Cadmium	0.23		0.12	0.035	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Calcium	97000		120	39	mg/Kg	☼	02/19/15 16:59	02/23/15 15:40	10
Chromium	17		0.61	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Cobalt	5.4		0.30	0.069	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Copper	17		0.61	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Iron	13000		12	4.7	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Lead	68		0.30	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Magnesium	46000		6.1	2.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Manganese	250		0.61	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Nickel	13		0.61	0.17	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Potassium	1900		30	5.0	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Selenium	<0.61		0.61	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Sodium	420		61	8.0	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Vanadium	18		0.30	0.089	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	1
Zinc	49	B	1.2	0.39	mg/Kg	☼	02/19/15 16:59	02/21/15 08:13	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		02/24/15 11:20	02/25/15 09:35	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		02/23/15 12:00	02/24/15 13:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	40		21	7.2	ug/Kg	☼	02/19/15 16:00	02/20/15 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.07		0.200	0.200	SU			02/20/15 13:19	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(0-6)-021715

Lab Sample ID: 500-92329-15

Date Collected: 02/17/15 10:35

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 79.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		02/20/15 04:22	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		02/20/15 04:22	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 04:22	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		02/20/15 04:22	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		02/20/15 04:22	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		02/20/15 04:22	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 04:22	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		02/20/15 04:22	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 04:22	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		02/20/15 04:22	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 04:22	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		02/20/15 04:22	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		02/20/15 04:22	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 04:22	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		02/20/15 04:22	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		02/20/15 04:22	1
1,1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 04:22	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		02/20/15 04:22	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		02/20/15 04:22	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 04:22	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		02/20/15 04:22	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 04:22	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		02/20/15 04:22	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		02/20/15 04:22	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 04:22	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		02/20/15 04:22	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 04:22	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		02/20/15 04:22	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		02/20/15 04:22	1
trans-1,2-Dichloroethene	<6.3 *		6.3	0.86	ug/Kg	☼		02/20/15 04:22	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 04:22	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		02/20/15 04:22	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		02/20/15 04:22	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 04:22	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 04:22	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		02/20/15 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		02/20/15 04:22	1
Dibromofluoromethane	94		75 - 120		02/20/15 04:22	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		02/20/15 04:22	1
Toluene-d8 (Surr)	99		75 - 122		02/20/15 04:22	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	☼	02/19/15 07:10	02/23/15 19:22	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(0-6)-021715

Lab Sample ID: 500-92329-15

Date Collected: 02/17/15 10:35

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2-Methylnaphthalene	<41		41	7.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4,6-Dinitro-2-methylphenol	<410		410	340	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Anthracene	<41		41	7.0	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Benzo[a]anthracene	34 J		41	5.6	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Benzo[a]pyrene	37 J		41	8.1	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Benzo[b]fluoranthene	52		41	9.0	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Benzo[k]fluoranthene	26 J		41	12	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Carbazole	<210		210	110	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Chrysene	48		41	11	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Dibenzofuran	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Fluoranthene	72		41	7.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Fluorene	<41		41	5.9	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(0-6)-021715

Lab Sample ID: 500-92329-15

Date Collected: 02/17/15 10:35

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 79.6

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	18	J	41	11	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Isophorone	<210		210	47	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Phenanthrene	27	J	41	5.8	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Phenol	<210		210	93	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Pyrene	61		41	8.3	ug/Kg	☼	02/19/15 07:10	02/23/15 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137				02/19/15 07:10	02/23/15 19:22	1
2-Fluorobiphenyl	66		25 - 119				02/19/15 07:10	02/23/15 19:22	1
2-Fluorophenol	57		25 - 110				02/19/15 07:10	02/23/15 19:22	1
Nitrobenzene-d5	64		25 - 115				02/19/15 07:10	02/23/15 19:22	1
Phenol-d5	61		31 - 110				02/19/15 07:10	02/23/15 19:22	1
Terphenyl-d14	80		36 - 134				02/19/15 07:10	02/23/15 19:22	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		02/24/15 09:10	02/24/15 17:39	1
Barium	0.46	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:39	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:39	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:39	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:39	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:39	1
Manganese	0.028		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:39	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:39	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:39	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:39	1
Zinc	0.091	J B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 17:39	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		02/23/15 15:30	02/24/15 21:01	1
Barium	0.26	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 21:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 21:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 21:01	1
Chromium	0.072		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:01	1
Cobalt	0.015	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:01	1
Copper	0.076		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:01	1
Iron	60		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 21:01	1
Lead	0.026		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 21:01	1
Manganese	0.27		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:01	1
Nickel	0.060		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:01	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 21:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(0-6)-021715

Lab Sample ID: 500-92329-15

Date Collected: 02/17/15 10:35

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 21:01	1
Zinc	0.15	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 21:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.63	J	1.2	0.26	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Arsenic	7.6		0.62	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Barium	89		0.62	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Beryllium	0.88		0.25	0.054	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Cadmium	0.078	J	0.12	0.036	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Calcium	18000		12	4.0	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Chromium	22		0.62	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Cobalt	12		0.31	0.070	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Copper	21		0.62	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Iron	23000		12	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Lead	17		0.31	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Magnesium	10000		6.2	2.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Manganese	590		0.62	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Nickel	27		0.62	0.17	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Potassium	2400		31	5.1	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Selenium	<0.62		0.62	0.31	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Sodium	350		62	8.2	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Thallium	0.95		0.62	0.31	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Vanadium	30		0.31	0.091	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	1
Zinc	46	B	1.2	0.39	mg/Kg	☼	02/19/15 16:59	02/21/15 08:19	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		02/24/15 11:20	02/25/15 09:41	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		02/23/15 12:00	02/24/15 13:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	44		20	7.0	ug/Kg	☼	02/19/15 16:00	02/20/15 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.93		0.200	0.200	SU			02/20/15 13:21	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715

Lab Sample ID: 500-92329-16

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/20/15 04:46	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 04:46	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 04:46	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/20/15 04:46	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/20/15 04:46	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 04:46	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 04:46	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		02/20/15 04:46	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 04:46	1
Chloroform	<6.0		6.0	0.68	ug/Kg	☼		02/20/15 04:46	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 04:46	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		02/20/15 04:46	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		02/20/15 04:46	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 04:46	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		02/20/15 04:46	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		02/20/15 04:46	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		02/20/15 04:46	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		02/20/15 04:46	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		02/20/15 04:46	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 04:46	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/20/15 04:46	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 04:46	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/20/15 04:46	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 04:46	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		02/20/15 04:46	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		02/20/15 04:46	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 04:46	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		02/20/15 04:46	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		02/20/15 04:46	1
trans-1,2-Dichloroethene	<6.0 *		6.0	0.82	ug/Kg	☼		02/20/15 04:46	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 04:46	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 04:46	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		02/20/15 04:46	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/20/15 04:46	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 04:46	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		02/20/15 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		02/20/15 04:46	1
Dibromofluoromethane	90		75 - 120		02/20/15 04:46	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		02/20/15 04:46	1
Toluene-d8 (Surr)	98		75 - 122		02/20/15 04:46	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	42	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715

Lab Sample ID: 500-92329-16

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

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	<390		390	89	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2-Chloronaphthalene	<200		200	43	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2-Chlorophenol	<200		200	67	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2-Methylphenol	<200		200	63	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2-Nitroaniline	<200		200	53	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
2-Nitrophenol	<390		390	93	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
3-Nitroaniline	<390		390	120	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4-Chloroaniline	<790		790	180	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4-Nitroaniline	<390		390	160	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
4-Nitrophenol	<790		790	370	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Acenaphthene	<39		39	7.0	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Acenaphthylene	<39		39	5.2	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Anthracene	<39		39	6.5	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Carbazole	<200		200	100	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Chrysene	<39		39	11	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Dibenzofuran	<200		200	46	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Diethyl phthalate	<200		200	66	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Dimethyl phthalate	<200		200	51	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Fluoranthene	<39		39	7.3	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Fluorene	<39		39	5.5	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Hexachlorobutadiene	<200		200	62	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1
Hexachloroethane	<200		200	60	ug/Kg	*	02/19/15 07:10	02/20/15 16:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715

Lab Sample ID: 500-92329-16

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

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	<39		39	10	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Phenol	<200		200	87	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Pyrene	<39		39	7.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		35 - 137				02/19/15 07:10	02/20/15 16:12	1
2-Fluorobiphenyl	60		25 - 119				02/19/15 07:10	02/20/15 16:12	1
2-Fluorophenol	54		25 - 110				02/19/15 07:10	02/20/15 16:12	1
Nitrobenzene-d5	52		25 - 115				02/19/15 07:10	02/20/15 16:12	1
Phenol-d5	52		31 - 110				02/19/15 07:10	02/20/15 16:12	1
Terphenyl-d14	96		36 - 134				02/19/15 07:10	02/20/15 16:12	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		02/24/15 09:10	02/24/15 18:00	1
Barium	0.55		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 18:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 18:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 18:00	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:00	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:00	1
Copper	0.057		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:00	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 18:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 18:00	1
Manganese	0.55		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:00	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:00	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 18:00	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:00	1
Zinc	0.10	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.050	0.010	mg/L		02/23/15 15:30	02/24/15 21:08	1
Barium	0.22	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 21:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 21:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 21:08	1
Chromium	0.067		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:08	1
Cobalt	0.020	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:08	1
Copper	0.065		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:08	1
Iron	57		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 21:08	1
Lead	0.028		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 21:08	1
Manganese	0.31		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:08	1
Nickel	0.068		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 21:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715

Lab Sample ID: 500-92329-16

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 21:08	1
Zinc	0.13	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 21:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.24	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Arsenic	6.3		0.59	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Barium	52		0.59	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Beryllium	0.67		0.24	0.051	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Cadmium	0.058	J	0.12	0.034	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Calcium	55000		12	3.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Chromium	19		0.59	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Cobalt	11		0.29	0.067	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Copper	22		0.59	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Iron	20000		12	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Lead	10		0.29	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Magnesium	26000		5.9	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Manganese	410		0.59	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Nickel	25		0.59	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Potassium	3200		29	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Sodium	270		59	7.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Thallium	0.56	J	0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Vanadium	22		0.29	0.086	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	1
Zinc	39	B	1.2	0.37	mg/Kg	☼	02/19/15 16:59	02/21/15 08:40	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		02/24/15 11:20	02/25/15 09:43	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		02/23/15 12:00	02/24/15 13:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		18	6.4	ug/Kg	☼	02/19/15 16:00	02/20/15 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.95		0.200	0.200	SU			02/20/15 13:24	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715D

Lab Sample ID: 500-92329-17

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 84.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	*		02/20/15 05:10	1
Benzene	<5.9		5.9	0.81	ug/Kg	*		02/20/15 05:10	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	*		02/20/15 05:10	1
Bromoform	<5.9		5.9	1.4	ug/Kg	*		02/20/15 05:10	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	*		02/20/15 05:10	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	*		02/20/15 05:10	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	*		02/20/15 05:10	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	*		02/20/15 05:10	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	*		02/20/15 05:10	1
Chloroform	<5.9		5.9	0.68	ug/Kg	*		02/20/15 05:10	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	*		02/20/15 05:10	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	*		02/20/15 05:10	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	*		02/20/15 05:10	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	*		02/20/15 05:10	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	*		02/20/15 05:10	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	*		02/20/15 05:10	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	*		02/20/15 05:10	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	*		02/20/15 05:10	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	*		02/20/15 05:10	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	*		02/20/15 05:10	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	*		02/20/15 05:10	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	*		02/20/15 05:10	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	*		02/20/15 05:10	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	*		02/20/15 05:10	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	*		02/20/15 05:10	1
Styrene	<5.9		5.9	0.78	ug/Kg	*		02/20/15 05:10	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	*		02/20/15 05:10	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	*		02/20/15 05:10	1
Toluene	<5.9		5.9	0.83	ug/Kg	*		02/20/15 05:10	1
trans-1,2-Dichloroethene	<5.9 *		5.9	0.81	ug/Kg	*		02/20/15 05:10	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	*		02/20/15 05:10	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	*		02/20/15 05:10	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	*		02/20/15 05:10	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	*		02/20/15 05:10	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	*		02/20/15 05:10	1
Xylenes, Total	<12		12	0.54	ug/Kg	*		02/20/15 05:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		02/20/15 05:10	1
Dibromofluoromethane	92		75 - 120		02/20/15 05:10	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		02/20/15 05:10	1
Toluene-d8 (Surr)	98		75 - 122		02/20/15 05:10	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	41	ug/Kg	*	02/19/15 07:10	02/20/15 16:32	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	*	02/19/15 07:10	02/20/15 16:32	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	*	02/19/15 07:10	02/20/15 16:32	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	*	02/19/15 07:10	02/20/15 16:32	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	*	02/19/15 07:10	02/20/15 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715D

Lab Sample ID: 500-92329-17

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

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	☼	02/19/15 07:10	02/20/15 16:32	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2-Methylphenol	<190		190	61	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Anthracene	<38		38	6.3	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Carbazole	<190		190	98	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Chrysene	<38		38	10	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Fluorene	<38		38	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715D

Lab Sample ID: 500-92329-17

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

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	<38		38	9.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Isophorone	<190		190	43	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Naphthalene	<38		38	5.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Phenol	<190		190	84	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Pyrene	<38		38	7.5	ug/Kg	☼	02/19/15 07:10	02/20/15 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		35 - 137				02/19/15 07:10	02/20/15 16:32	1
2-Fluorobiphenyl	56		25 - 119				02/19/15 07:10	02/20/15 16:32	1
2-Fluorophenol	51		25 - 110				02/19/15 07:10	02/20/15 16:32	1
Nitrobenzene-d5	48		25 - 115				02/19/15 07:10	02/20/15 16:32	1
Phenol-d5	49		31 - 110				02/19/15 07:10	02/20/15 16:32	1
Terphenyl-d14	103		36 - 134				02/19/15 07:10	02/20/15 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		02/24/15 09:10	02/24/15 18:06	1
Barium	0.50		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 18:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 18:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 18:06	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:06	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:06	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:06	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 18:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 18:06	1
Manganese	0.51		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:06	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:06	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 18:06	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:06	1
Zinc	0.10	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		02/23/15 15:30	02/24/15 21:14	1
Barium	0.52		0.50	0.050	mg/L		02/23/15 15:30	02/24/15 21:14	1
Beryllium	0.0058		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 21:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 21:14	1
Chromium	0.13		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:14	1
Cobalt	0.047		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:14	1
Copper	0.15		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:14	1
Iron	120		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 21:14	1
Lead	0.060		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 21:14	1
Manganese	0.67		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:14	1
Nickel	0.15		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-5(6-11)-021715D

Lab Sample ID: 500-92329-17

Date Collected: 02/17/15 10:40

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 21:14	1
Zinc	0.28	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 21:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J	1.2	0.24	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Arsenic	5.8		0.58	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Barium	57		0.58	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Beryllium	0.70		0.23	0.051	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Cadmium	0.063	J	0.12	0.034	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Calcium	47000		12	3.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Chromium	20		0.58	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Cobalt	8.3		0.29	0.066	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Copper	20		0.58	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Iron	20000		12	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Lead	9.1		0.29	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Magnesium	23000		5.8	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Manganese	310		0.58	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Nickel	25		0.58	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Potassium	3400		29	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Sodium	270		58	7.7	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Thallium	0.37	J	0.58	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Vanadium	22		0.29	0.085	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1
Zinc	40	B	1.2	0.37	mg/Kg	☼	02/19/15 16:59	02/21/15 08:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/24/15 11:20	02/25/15 09:45	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		02/23/15 12:00	02/24/15 13:33	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		20	6.9	ug/Kg	☼	02/19/15 16:00	02/20/15 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.77		0.200	0.200	SU			02/20/15 13:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(0-6)-021715

Lab Sample ID: 500-92329-18

Date Collected: 02/17/15 11:05

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 79.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	33		6.3	2.7	ug/Kg	☼		02/20/15 05:34	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		02/20/15 05:34	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 05:34	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		02/20/15 05:34	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		02/20/15 05:34	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		02/20/15 05:34	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 05:34	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		02/20/15 05:34	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 05:34	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		02/20/15 05:34	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 05:34	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		02/20/15 05:34	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		02/20/15 05:34	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 05:34	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		02/20/15 05:34	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		02/20/15 05:34	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 05:34	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		02/20/15 05:34	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		02/20/15 05:34	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 05:34	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		02/20/15 05:34	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		02/20/15 05:34	1
Methyl Ethyl Ketone	7.1		6.3	2.3	ug/Kg	☼		02/20/15 05:34	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		02/20/15 05:34	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 05:34	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		02/20/15 05:34	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 05:34	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		02/20/15 05:34	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		02/20/15 05:34	1
trans-1,2-Dichloroethene	<6.3 *		6.3	0.86	ug/Kg	☼		02/20/15 05:34	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		02/20/15 05:34	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		02/20/15 05:34	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		02/20/15 05:34	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		02/20/15 05:34	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		02/20/15 05:34	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		02/20/15 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		02/20/15 05:34	1
Dibromofluoromethane	89		75 - 120		02/20/15 05:34	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		02/20/15 05:34	1
Toluene-d8 (Surr)	97		75 - 122		02/20/15 05:34	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	☼	02/19/15 07:10	02/20/15 16:52	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(0-6)-021715

Lab Sample ID: 500-92329-18

Date Collected: 02/17/15 11:05

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 79.5

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	☼	02/19/15 07:10	02/20/15 16:52	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Chrysene	<40		40	11	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(0-6)-021715

Lab Sample ID: 500-92329-18

Date Collected: 02/17/15 11:05

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 79.5

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	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Isophorone	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Phenol	<200		200	89	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Pyrene	<40		40	8.0	ug/Kg	☼	02/19/15 07:10	02/20/15 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		35 - 137				02/19/15 07:10	02/20/15 16:52	1
2-Fluorobiphenyl	60		25 - 119				02/19/15 07:10	02/20/15 16:52	1
2-Fluorophenol	57		25 - 110				02/19/15 07:10	02/20/15 16:52	1
Nitrobenzene-d5	52		25 - 115				02/19/15 07:10	02/20/15 16:52	1
Phenol-d5	58		31 - 110				02/19/15 07:10	02/20/15 16:52	1
Terphenyl-d14	76		36 - 134				02/19/15 07:10	02/20/15 16:52	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		02/24/15 09:10	02/24/15 18:12	1
Barium	0.68		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 18:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 18:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 18:12	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:12	1
Cobalt	0.024	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:12	1
Copper	0.023	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:12	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 18:12	1
Lead	0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 18:12	1
Manganese	12		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:12	1
Nickel	0.018	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:12	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 18:12	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:12	1
Zinc	0.10	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 18:12	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		02/23/15 15:30	02/24/15 21:20	1
Barium	0.30	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 21:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 21:20	1
Chromium	0.048		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:20	1
Cobalt	0.016	J	0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:20	1
Copper	0.042		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:20	1
Iron	38		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 21:20	1
Lead	0.024		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 21:20	1
Manganese	0.49		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:20	1
Nickel	0.044		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 21:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(0-6)-021715

Lab Sample ID: 500-92329-18

Date Collected: 02/17/15 11:05

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 21:20	1
Zinc	0.16	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 21:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.26	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Arsenic	5.3		0.62	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Barium	87		0.62	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Beryllium	0.71		0.25	0.054	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Cadmium	0.074	J	0.12	0.036	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Calcium	25000		12	4.0	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Chromium	18		0.62	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Cobalt	9.7		0.31	0.071	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Copper	21		0.62	0.14	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Iron	19000		12	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Lead	14		0.31	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Magnesium	18000		6.2	2.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Manganese	630		0.62	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Nickel	25		0.62	0.17	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Potassium	1700		31	5.1	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Selenium	<0.62		0.62	0.31	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Sodium	410		62	8.2	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Thallium	0.94		0.62	0.31	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Vanadium	26		0.31	0.091	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	1
Zinc	37	B	1.2	0.40	mg/Kg	☼	02/19/15 16:59	02/21/15 08:53	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		02/24/15 11:20	02/25/15 09:47	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		02/23/15 12:00	02/24/15 13:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		18	6.4	ug/Kg	☼	02/19/15 16:00	02/20/15 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.67		0.200	0.200	SU			02/20/15 13:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(6-11)-021715

Lab Sample ID: 500-92329-19

Date Collected: 02/17/15 11:10

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		6.1	2.6	ug/Kg	☼		02/20/15 05:58	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		02/20/15 05:58	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 05:58	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/20/15 05:58	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		02/20/15 05:58	1
Carbon disulfide	<6.1		6.1	0.90	ug/Kg	☼		02/20/15 05:58	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 05:58	1
Chlorobenzene	<6.1		6.1	0.61	ug/Kg	☼		02/20/15 05:58	1
Chloroethane	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 05:58	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		02/20/15 05:58	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 05:58	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		02/20/15 05:58	1
cis-1,3-Dichloropropene	<6.1		6.1	0.79	ug/Kg	☼		02/20/15 05:58	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 05:58	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		02/20/15 05:58	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		02/20/15 05:58	1
1,1,1-Dichloroethane	<6.1		6.1	0.98	ug/Kg	☼		02/20/15 05:58	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		02/20/15 05:58	1
1,3-Dichloropropene, Total	<6.1		6.1	0.79	ug/Kg	☼		02/20/15 05:58	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 05:58	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		02/20/15 05:58	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 05:58	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/20/15 05:58	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 05:58	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 05:58	1
Styrene	<6.1		6.1	0.79	ug/Kg	☼		02/20/15 05:58	1
1,1,1,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 05:58	1
Tetrachloroethene	<6.1		6.1	0.92	ug/Kg	☼		02/20/15 05:58	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		02/20/15 05:58	1
trans-1,2-Dichloroethene	<6.1 *		6.1	0.83	ug/Kg	☼		02/20/15 05:58	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 05:58	1
1,1,1-Trichloroethane	<6.1		6.1	0.90	ug/Kg	☼		02/20/15 05:58	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		02/20/15 05:58	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 05:58	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 05:58	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/20/15 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		02/20/15 05:58	1
Dibromofluoromethane	91		75 - 120		02/20/15 05:58	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134		02/20/15 05:58	1
Toluene-d8 (Surr)	98		75 - 122		02/20/15 05:58	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	42	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(6-11)-021715

Lab Sample ID: 500-92329-19

Date Collected: 02/17/15 11:10

Matrix: Solid

Date Received: 02/17/15 15:45

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	<390		390	89	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Anthracene	<39		39	6.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Benzo[a]anthracene	56		39	5.2	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Benzo[a]pyrene	69		39	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Benzo[b]fluoranthene	91		39	8.4	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Benzo[g,h,i]perylene	27 J		39	13	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Benzo[k]fluoranthene	55		39	11	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Carbazole	<200		200	100	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Chrysene	72		39	11	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Fluoranthene	130		39	7.2	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Hexachloroethane	<200		200	59	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(6-11)-021715

Lab Sample ID: 500-92329-19

Date Collected: 02/17/15 11:10

Matrix: Solid

Date Received: 02/17/15 15:45

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	35	J	39	10	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Phenanthrene	44		39	5.4	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Phenol	<200		200	87	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Pyrene	110		39	7.7	ug/Kg	☼	02/19/15 07:10	02/23/15 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		35 - 137				02/19/15 07:10	02/23/15 19:42	1
2-Fluorobiphenyl	59		25 - 119				02/19/15 07:10	02/23/15 19:42	1
2-Fluorophenol	51		25 - 110				02/19/15 07:10	02/23/15 19:42	1
Nitrobenzene-d5	58		25 - 115				02/19/15 07:10	02/23/15 19:42	1
Phenol-d5	54		31 - 110				02/19/15 07:10	02/23/15 19:42	1
Terphenyl-d14	68		36 - 134				02/19/15 07:10	02/23/15 19:42	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		02/24/15 09:10	02/24/15 18:19	1
Barium	0.52		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 18:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 18:19	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:19	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:19	1
Copper	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:19	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 18:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 18:19	1
Manganese	1.4		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:19	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 18:19	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:19	1
Zinc	0.10	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		02/23/15 15:30	02/24/15 21:26	1
Barium	0.40	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 21:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 21:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 21:26	1
Chromium	0.077		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:26	1
Cobalt	0.037		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:26	1
Copper	0.086		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:26	1
Iron	65		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 21:26	1
Lead	0.035		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 21:26	1
Manganese	0.54		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:26	1
Nickel	0.10		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:26	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 21:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-3(6-11)-021715

Lab Sample ID: 500-92329-19

Date Collected: 02/17/15 11:10

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 21:26	1
Zinc	0.31	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 21:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.2	0.24	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Arsenic	5.4		0.59	0.27	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Barium	42		0.59	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Beryllium	0.56		0.23	0.051	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Cadmium	0.035	J	0.12	0.034	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Calcium	41000		12	3.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Chromium	15		0.59	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Cobalt	11		0.29	0.066	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Copper	21		0.59	0.13	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Iron	16000		12	4.5	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Lead	12		0.29	0.15	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Magnesium	22000		5.9	2.4	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Manganese	320		0.59	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Nickel	27		0.59	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Potassium	2500		29	4.8	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Sodium	250		59	7.7	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Thallium	0.54	J	0.59	0.29	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Vanadium	18		0.29	0.085	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	1
Zinc	36	B	1.2	0.37	mg/Kg	☼	02/19/15 16:59	02/21/15 08:59	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		02/24/15 11:20	02/25/15 09:49	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		02/23/15 12:00	02/24/15 13:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	6.2	ug/Kg	☼	02/19/15 16:00	02/20/15 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.17		0.200	0.200	SU			02/20/15 13:32	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-1(0-5)-021715

Lab Sample ID: 500-92329-20

Date Collected: 02/17/15 12:10

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		6.1	2.6	ug/Kg	☼		02/20/15 06:22	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		02/20/15 06:22	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 06:22	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		02/20/15 06:22	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		02/20/15 06:22	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		02/20/15 06:22	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 06:22	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		02/20/15 06:22	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		02/20/15 06:22	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		02/20/15 06:22	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 06:22	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		02/20/15 06:22	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		02/20/15 06:22	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 06:22	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		02/20/15 06:22	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		02/20/15 06:22	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		02/20/15 06:22	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		02/20/15 06:22	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		02/20/15 06:22	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 06:22	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		02/20/15 06:22	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 06:22	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		02/20/15 06:22	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		02/20/15 06:22	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 06:22	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		02/20/15 06:22	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		02/20/15 06:22	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		02/20/15 06:22	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		02/20/15 06:22	1
trans-1,2-Dichloroethene	<6.1 *		6.1	0.84	ug/Kg	☼		02/20/15 06:22	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		02/20/15 06:22	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		02/20/15 06:22	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		02/20/15 06:22	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		02/20/15 06:22	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		02/20/15 06:22	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/20/15 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122		02/20/15 06:22	1
Dibromofluoromethane	95		75 - 120		02/20/15 06:22	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		02/20/15 06:22	1
Toluene-d8 (Surr)	103		75 - 122		02/20/15 06:22	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	43	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-1(0-5)-021715

Lab Sample ID: 500-92329-20

Date Collected: 02/17/15 12:10

Matrix: Solid

Date Received: 02/17/15 15:45

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	☼	02/19/15 07:10	02/24/15 10:28	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2-Methylnaphthalene	35	J	39	7.3	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Acenaphthene	99		39	7.1	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Anthracene	120		39	6.6	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Benzo[a]anthracene	550		39	5.3	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Benzo[a]pyrene	560		39	7.7	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Benzo[b]fluoranthene	840		39	8.5	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Benzo[g,h,i]perylene	460		39	13	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Benzo[k]fluoranthene	430		39	12	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Carbazole	120	J	200	100	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Chrysene	770		39	11	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Dibenz(a,h)anthracene	130		39	7.6	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Dibenzofuran	80	J	200	46	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Fluoranthene	1600		39	7.3	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Fluorene	59		39	5.6	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-1(0-5)-021715

Lab Sample ID: 500-92329-20

Date Collected: 02/17/15 12:10

Matrix: Solid

Date Received: 02/17/15 15:45

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	420		39	10	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Isophorone	<200		200	44	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Naphthalene	15	J	39	6.1	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Phenanthrene	730		39	5.5	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Phenol	<200		200	88	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Pyrene	1100		39	7.9	ug/Kg	☼	02/19/15 07:10	02/24/15 10:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				02/19/15 07:10	02/24/15 10:28	1
2-Fluorobiphenyl	61		25 - 119				02/19/15 07:10	02/24/15 10:28	1
2-Fluorophenol	53		25 - 110				02/19/15 07:10	02/24/15 10:28	1
Nitrobenzene-d5	52		25 - 115				02/19/15 07:10	02/24/15 10:28	1
Phenol-d5	59		31 - 110				02/19/15 07:10	02/24/15 10:28	1
Terphenyl-d14	68		36 - 134				02/19/15 07:10	02/24/15 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		02/24/15 09:10	02/24/15 18:25	1
Barium	0.56		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 18:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 18:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 18:25	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:25	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:25	1
Copper	0.023	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:25	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 18:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 18:25	1
Manganese	3.8		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:25	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 18:25	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 18:25	1
Zinc	0.11	B	0.10	0.020	mg/L		02/24/15 09:10	02/24/15 18:25	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		02/23/15 15:30	02/24/15 21:33	1
Barium	0.26	J	0.50	0.050	mg/L		02/23/15 15:30	02/24/15 21:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/23/15 15:30	02/24/15 21:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/23/15 15:30	02/24/15 21:33	1
Chromium	0.034		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:33	1
Cobalt	<0.025		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:33	1
Copper	0.032		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:33	1
Iron	24		0.20	0.20	mg/L		02/23/15 15:30	02/24/15 21:33	1
Lead	0.018		0.0075	0.0075	mg/L		02/23/15 15:30	02/24/15 21:33	1
Manganese	0.38		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:33	1
Nickel	0.029		0.025	0.010	mg/L		02/23/15 15:30	02/24/15 21:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/23/15 15:30	02/24/15 21:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Client Sample ID: ROW-1(0-5)-021715

Lab Sample ID: 500-92329-20

Date Collected: 02/17/15 12:10

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/23/15 15:30	02/24/15 21:33	1
Zinc	0.21	B	0.10	0.020	mg/L		02/23/15 15:30	02/24/15 21:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.24	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Arsenic	3.5		0.57	0.26	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Barium	81		0.57	0.10	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Beryllium	0.75		0.23	0.050	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Cadmium	<0.11		0.11	0.033	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Calcium	25000		11	3.7	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Chromium	19		0.57	0.098	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Cobalt	7.3		0.29	0.065	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Copper	20		0.57	0.12	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Iron	17000		11	4.4	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Lead	22		0.29	0.14	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Magnesium	15000		5.7	2.3	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Manganese	270		0.57	0.11	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Nickel	20		0.57	0.16	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Potassium	2200		29	4.7	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Sodium	460		57	7.6	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Thallium	0.44	J	0.57	0.28	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Vanadium	21		0.29	0.084	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	1
Zinc	46	B	1.1	0.36	mg/Kg	☼	02/19/15 16:59	02/21/15 09:06	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		02/24/15 11:20	02/25/15 09:51	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		02/23/15 12:00	02/24/15 13:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	36		18	6.4	ug/Kg	☼	02/19/15 16:00	02/20/15 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.13		0.200	0.200	SU			02/20/15 13:35	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
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
F1	MS and/or MSD Recovery exceeds the control 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.
□	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 - Niles - WO 004

TestAmerica Job ID: 500-92329-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



500-92329 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 370 Plaza Circle Ste 202
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 #: 500-92329
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.4, 2.8

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Parameter		Matrix		Comments			
Project Location/State		Lab Project #		Parameter		Matrix					
Sampler		Lab PM		# of Containers		Matrix		Comments			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCS	SVOCs	Total Metals	TCUP/SP/PLP Metals	pH
1		ROW-13 (0-5)-021715	2/17/15	0805	2	S	X	X	X	X	X
2		ROW-11 (0-6)-021715		0815							
3		ROW-11 (6-11)-021715		0820							
4		ROW-11 (6-11)-021715D		0820							
5		ROW-9 (0-6)-021715		0835							
6		ROW-9 (6-11)-021715		0840							
7		ROW-8 (0-5)-021715		0855							
8		ROW-6 (0-5)-021715		0910							
9		ROW-6 (0-5)-021715D		0910							
10		ROW-10 (0-6)-021715		0935							

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By <u>M. Strow</u>	Company <u>Weston</u>	Date <u>2/17/15</u>	Time <u>1420</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>2/17/15</u>	Time <u>1420</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>2/17/15</u>	Time <u>1545</u>	Received By <u>Shirley</u>	Company <u>TA-CERT</u>	Date <u>2/17/15</u>	Time <u>1545</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) Weston Solutions
 Contact: 300 Plaza Circle St. 202
 Company: Mundelein, IL 60060
 Address: (224) 864-7250
 Address: S. Babusukumar
 Phone: _____
 Fax: _____
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-92329
 Chain of Custody Number: _____
 Page 2 of 3
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Parameter		Matrix		Comments		
Project Location/State		Lab PM		Parameter		Matrix				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Parameter	Matrix	Matrix	Matrix
11		ROW-10 (0-11)-021715	2/17/15	0940	2	S	X	X	X	X
12		ROW-12 (0-6)-021715		0955						
13		ROW-12 (0-11)-021715		1000						
14		ROW-7 (0-5)-021715		1015						
15		ROW-5 (0-6)-021715		1035						
16		ROW-5 (0-11)-021715		1040						
17		ROW-5 (0-11)-021715D		1040						
18		ROW-3 (0-6)-021715		1105						
19		ROW-3 (0-11)-021715		1110						
20		ROW-1 (0-5)-021715		1210						

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

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

Relinquished By: <u>Weston</u> Company: <u>Weston</u> Date: <u>2/17/15</u> Time: <u>1420</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/17/15</u> Time: <u>1420</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/17/15</u> Time: <u>1545</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>2/17/15</u> Time: <u>1545</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

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-92330-1
Client Project/Site: IDOT - Niles - WO 004

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

Attn: Mr. S. Babusukumar



Authorized for release by:
2/25/2015 3:22:04 PM

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

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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.

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(0-6)-021715

Lab Sample ID: 500-92330-3

Date Collected: 02/17/15 12:25

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	*		02/20/15 08:05	1
Benzene	<6.2		6.2	0.85	ug/Kg	*		02/20/15 08:05	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	*		02/20/15 08:05	1
Bromoform	<6.2		6.2	1.4	ug/Kg	*		02/20/15 08:05	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	*		02/20/15 08:05	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	*		02/20/15 08:05	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	*		02/20/15 08:05	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	*		02/20/15 08:05	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	*		02/20/15 08:05	1
Chloroform	<6.2		6.2	0.71	ug/Kg	*		02/20/15 08:05	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	*		02/20/15 08:05	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	*		02/20/15 08:05	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	*		02/20/15 08:05	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	*		02/20/15 08:05	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	*		02/20/15 08:05	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	*		02/20/15 08:05	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	*		02/20/15 08:05	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	*		02/20/15 08:05	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	*		02/20/15 08:05	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	*		02/20/15 08:05	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	*		02/20/15 08:05	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	*		02/20/15 08:05	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	*		02/20/15 08:05	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	*		02/20/15 08:05	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	*		02/20/15 08:05	1
Styrene	<6.2		6.2	0.81	ug/Kg	*		02/20/15 08:05	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	*		02/20/15 08:05	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	*		02/20/15 08:05	1
Toluene	<6.2		6.2	0.86	ug/Kg	*		02/20/15 08:05	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	*		02/20/15 08:05	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	*		02/20/15 08:05	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	*		02/20/15 08:05	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	*		02/20/15 08:05	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	*		02/20/15 08:05	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	*		02/20/15 08:05	1
Xylenes, Total	<12		12	0.56	ug/Kg	*		02/20/15 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122		02/20/15 08:05	1
Dibromofluoromethane	92		75 - 120		02/20/15 08:05	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134		02/20/15 08:05	1
Toluene-d8 (Surr)	97		75 - 122		02/20/15 08:05	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	41	ug/Kg	*	02/18/15 18:35	02/20/15 11:10	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	*	02/18/15 18:35	02/20/15 11:10	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	*	02/18/15 18:35	02/20/15 11:10	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	*	02/18/15 18:35	02/20/15 11:10	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	*	02/18/15 18:35	02/20/15 11:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(0-6)-021715

Lab Sample ID: 500-92330-3

Date Collected: 02/17/15 12:25

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Anthracene	<38		38	6.4	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Benzo[a]anthracene	16	J	38	5.2	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Benzo[a]pyrene	21	J	38	7.5	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Benzo[b]fluoranthene	30	J	38	8.3	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Benzo[k]fluoranthene	15	J	38	11	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Carbazole	<190		190	99	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Chrysene	22	J	38	10	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Fluoranthene	41		38	7.1	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Hexachloroethane	<190		190	59	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(0-6)-021715

Lab Sample ID: 500-92330-3

Date Collected: 02/17/15 12:25

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	14	J	38	10	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Isophorone	<190		190	43	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Phenanthrene	17	J	38	5.4	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Phenol	<190		190	86	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Pyrene	35	J	38	7.6	ug/Kg	☼	02/18/15 18:35	02/20/15 11:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		35 - 137				02/18/15 18:35	02/20/15 11:10	1
2-Fluorobiphenyl	48		25 - 119				02/18/15 18:35	02/20/15 11:10	1
2-Fluorophenol	46		25 - 110				02/18/15 18:35	02/20/15 11:10	1
Nitrobenzene-d5	46		25 - 115				02/18/15 18:35	02/20/15 11:10	1
Phenol-d5	47		31 - 110				02/18/15 18:35	02/20/15 11:10	1
Terphenyl-d14	64		36 - 134				02/18/15 18:35	02/20/15 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		02/24/15 09:10	02/24/15 17:05	1
Barium	0.63		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:05	1
Cadmium	0.0046	J	0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:05	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:05	1
Cobalt	0.010	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:05	1
Copper	0.022	J B	0.050	0.010	mg/L		02/24/15 09:10	02/24/15 17:05	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:05	1
Manganese	2.2		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:05	1
Nickel	0.017	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:05	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:05	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:05	1
Zinc	0.12	J B	0.50	0.020	mg/L		02/24/15 09:10	02/24/15 17:05	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		02/24/15 09:10	02/24/15 22:39	1
Barium	0.34	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 22:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 22:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 22:39	1
Chromium	0.064		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:39	1
Cobalt	0.014	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:39	1
Copper	0.063		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:39	1
Iron	52		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 22:39	1
Lead	0.022		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 22:39	1
Manganese	0.23		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:39	1
Nickel	0.055		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:39	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 22:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(0-6)-021715

Lab Sample ID: 500-92330-3

Date Collected: 02/17/15 12:25

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/24/15 09:10	02/24/15 22:39	1
Zinc	0.23		0.10	0.020	mg/L		02/24/15 09:10	02/24/15 22:39	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	☼	02/18/15 17:33	02/19/15 15:12	1
Arsenic	6.5		0.60	0.28	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Barium	65		0.60	0.11	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Beryllium	0.84		0.24	0.052	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Cadmium	0.15		0.12	0.035	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Calcium	49000		60	19	mg/Kg	☼	02/18/15 17:33	02/20/15 19:55	5
Chromium	20		0.60	0.10	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Cobalt	8.9		0.30	0.068	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Copper	21		0.60	0.13	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Iron	21000		12	4.6	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Lead	14	B	0.30	0.15	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Magnesium	21000		6.0	2.4	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Manganese	210		0.60	0.12	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Nickel	30		0.60	0.16	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Potassium	2500		30	4.9	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Sodium	290		60	8.0	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Vanadium	23		0.30	0.088	mg/Kg	☼	02/18/15 17:33	02/19/15 15:12	1
Zinc	61	B	1.2	0.38	mg/Kg	☼	02/18/15 17:33	02/20/15 19:50	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		02/24/15 11:20	02/25/15 10:22	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		02/24/15 11:20	02/25/15 10:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	20	7.1	ug/Kg	☼	02/18/15 15:30	02/19/15 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.86		0.200	0.200	SU			02/20/15 13:48	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(6-11)-021715

Lab Sample ID: 500-92330-4

Date Collected: 02/17/15 12:30

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		02/20/15 08:29	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		02/20/15 08:29	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 08:29	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		02/20/15 08:29	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		02/20/15 08:29	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		02/20/15 08:29	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 08:29	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		02/20/15 08:29	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 08:29	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		02/20/15 08:29	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 08:29	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		02/20/15 08:29	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 08:29	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 08:29	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		02/20/15 08:29	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		02/20/15 08:29	1
1,1,1-Dichloroethene	<6.0		6.0	0.98	ug/Kg	☼		02/20/15 08:29	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		02/20/15 08:29	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 08:29	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 08:29	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		02/20/15 08:29	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 08:29	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		02/20/15 08:29	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		02/20/15 08:29	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 08:29	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		02/20/15 08:29	1
1,1,1,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		02/20/15 08:29	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		02/20/15 08:29	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		02/20/15 08:29	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		02/20/15 08:29	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		02/20/15 08:29	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		02/20/15 08:29	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		02/20/15 08:29	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		02/20/15 08:29	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		02/20/15 08:29	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		02/20/15 08:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122		02/20/15 08:29	1
Dibromofluoromethane	90		75 - 120		02/20/15 08:29	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134		02/20/15 08:29	1
Toluene-d8 (Surr)	99		75 - 122		02/20/15 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(6-11)-021715

Lab Sample ID: 500-92330-4

Date Collected: 02/17/15 12:30

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.9

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	88	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Anthracene	<38		38	6.4	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Benzo[g,h,i]perylene	12	J	38	12	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Carbazole	<190		190	99	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Chrysene	<38		38	10	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(6-11)-021715

Lab Sample ID: 500-92330-4

Date Collected: 02/17/15 12:30

Matrix: Solid

Date Received: 02/17/15 15:45

Percent Solids: 82.9

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	<38		38	10	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Isophorone	<190		190	43	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Phenanthrene	7.3	J	38	5.4	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Phenol	<190		190	85	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Pyrene	<38		38	7.6	ug/Kg	☼	02/18/15 18:35	02/20/15 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		35 - 137				02/18/15 18:35	02/20/15 03:08	1
2-Fluorobiphenyl	66		25 - 119				02/18/15 18:35	02/20/15 03:08	1
2-Fluorophenol	62		25 - 110				02/18/15 18:35	02/20/15 03:08	1
Nitrobenzene-d5	56		25 - 115				02/18/15 18:35	02/20/15 03:08	1
Phenol-d5	65		31 - 110				02/18/15 18:35	02/20/15 03:08	1
Terphenyl-d14	85		36 - 134				02/18/15 18:35	02/20/15 03:08	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		02/24/15 09:10	02/24/15 17:15	1
Barium	0.56		0.50	0.050	mg/L		02/24/15 09:10	02/24/15 17:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 17:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 17:15	1
Chromium	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:15	1
Cobalt	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:15	1
Copper	<0.050		0.050	0.010	mg/L		02/24/15 09:10	02/24/15 17:15	1
Iron	<0.20		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 17:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 17:15	1
Manganese	0.99		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:15	1
Nickel	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:15	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 17:15	1
Silver	<0.025		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 17:15	1
Zinc	0.093	J	0.50	0.020	mg/L		02/24/15 09:10	02/24/15 17:15	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		02/24/15 09:10	02/24/15 22:46	1
Barium	0.29	J	0.50	0.050	mg/L		02/24/15 09:10	02/24/15 22:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/24/15 09:10	02/24/15 22:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/24/15 09:10	02/24/15 22:46	1
Chromium	0.042		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:46	1
Cobalt	0.013	J	0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:46	1
Copper	0.041		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:46	1
Iron	36		0.20	0.20	mg/L		02/24/15 09:10	02/24/15 22:46	1
Lead	0.019		0.0075	0.0075	mg/L		02/24/15 09:10	02/24/15 22:46	1
Manganese	0.24		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:46	1
Nickel	0.042		0.025	0.010	mg/L		02/24/15 09:10	02/24/15 22:46	1
Selenium	<0.050		0.050	0.020	mg/L		02/24/15 09:10	02/24/15 22:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Client Sample ID: ROW-4(6-11)-021715

Lab Sample ID: 500-92330-4

Date Collected: 02/17/15 12:30

Matrix: Solid

Date Received: 02/17/15 15:45

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		02/24/15 09:10	02/24/15 22:46	1
Zinc	0.21		0.10	0.020	mg/L		02/24/15 09:10	02/24/15 22:46	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	☼	02/18/15 17:33	02/19/15 15:16	1
Arsenic	4.4		0.59	0.27	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Barium	47		0.59	0.11	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Beryllium	0.62		0.24	0.051	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Cadmium	0.19		0.12	0.034	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Calcium	67000		59	19	mg/Kg	☼	02/18/15 17:33	02/20/15 20:11	5
Chromium	16		0.59	0.10	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Cobalt	7.0		0.30	0.067	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Copper	17		0.59	0.13	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Iron	16000		12	4.6	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Lead	11	B	0.30	0.15	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Magnesium	27000		5.9	2.4	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Manganese	250		0.59	0.12	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Nickel	24		0.59	0.16	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Potassium	2200		30	4.8	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Selenium	0.56	J	0.59	0.29	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Sodium	260		59	7.8	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Vanadium	16		0.30	0.086	mg/Kg	☼	02/18/15 17:33	02/19/15 15:16	1
Zinc	52	B	1.2	0.37	mg/Kg	☼	02/18/15 17:33	02/20/15 19:59	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		02/24/15 11:20	02/25/15 10:28	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		02/24/15 11:20	02/25/15 10:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	19	6.6	ug/Kg	☼	02/18/15 15:30	02/19/15 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20		0.200	0.200	SU			02/20/15 13:51	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.
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.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Niles - WO 004

TestAmerica Job ID: 500-92330-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.



500-92330 COC

Report To (optional)

Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle 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 #: 500-92330
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 3.4, 2.8

Client		Client Project #		Preservative		Parameter		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 #		Matrix		Comments			
<u>IDOT 004-Niles</u>				<u>VOCS</u>	<u>SVOCs</u>	<u>Total Metals</u>	<u>TCUP/SPUP Metals</u>		
Project Location/State		Sampler		Date		Time		# of Containers	
<u>Niles, IL</u>		<u>M. Strow</u>		<u>2/17/15</u>		<u>1245</u>		<u>2 S</u>	
Sample ID		Lab RM		Date		Time		Matrix	
<u>ROW-2 (0-6)-021715</u>		<u>DWright</u>		<u>↓</u>		<u>1250</u>		<u>↓</u>	
<u>ROW-4 (0-6)-021715</u>				<u>↓</u>		<u>1225</u>		<u>↓</u>	
<u>ROW-4 (0-11)-021715</u>				<u>↓</u>		<u>1230</u>		<u>↓</u>	
<u>ROW-4 (0-11)-021715</u>				<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>M. Strow 2/17/15</u>									
<u>M. Strow</u>									

Turnaround Time Required (Business Days)

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

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

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

Relinquished By <u>M. Strow</u>	Company <u>Weston</u>	Date <u>2/17/15</u>	Time <u>1420</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>2/17/15</u>	Time <u>1320</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>2/17/15</u>	Time <u>1545</u>	Received By <u>Shawn Scott</u>	Company <u>TA-ORL</u>	Date <u>2/17/15</u>	Time <u>1545</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: