Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94 Office Phone Number, if available: _____

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

36300-42300 blocks of N. US 41

City: Wadsworth State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.473572852 (Decimal Degrees) Longitude: -87.947062809 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94

Latitude: 42.473572852 Longitude: -87.947062809

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS ROW-2 THROUGH ROW-8, ROW-11 THROUGH ROW-16, AND ROW-18 THROUGH ROW-21 WERE SAMPLED ADJACENT TO ISGS SITE No. 2835-1. SEE FIGURES 3-3/3-4 AND TABLE 4-1 OF THE REVISED 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: 500-86029-1 AND 500-86119-1

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

I, Kurt T. Fischer P.G. (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/14/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 2835-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-2(0.5-1.5)-101514	ROW-3(0.5-1.5)-101514	ROW-4(0.5-1.5)-101514	ROW-5(0.5-1.5)-101514	Soil Reference Concentrations[A]
Sample Date	10/15/2014	10/15/2014	10/15/2014	10/15/2014	
Location ID	ROW-2	ROW-3	ROW-4	ROW-5	
Depth	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	
ISGS Site Number	2835-1	2835-1	2835-1	2835-1	
Parameter					
Laboratory pH (standard units)	8.22	8.43	8.41	8.28	<6.25, >9.0
VOCs (ug/kg)	**None Detected**				
SVOCs (ug/kg)					
Benzo(a)pyrene	8.1 J	ND	12 J	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	7.1	4.8	6.8	5.9	11.3/13.0
Barium, Total	52	43	52	26	1500
Beryllium, Total	0.57	0.57	0.5	0.33	22
Cadmium, Total	ND	ND	ND	ND	5.2
Chromium, Total	17	16	15	10	21
Cobalt, Total	8.8	6.3	9.1	5.8	20
Copper, Total	26	18	37	18	2900
Iron, Total	19000 B	16000 B	18000 B	16000 B	15000/15900
Lead, Total	13 B	8.6 B	14 B	8.7 B	107
Manganese, Total	510 B	280 B	620 B	610 B	630/636
Mercury, Total	ND	ND	ND	ND	0.89
Nickel, Total	22	17	22	14	100
Potassium, Total	2200	2600	2200	1500	---
Sodium, Total	1600	2800	1200	1000	---
Thallium, Total	1.3	0.9	1.3	1.3	2.6
Vanadium, Total	22	19	20	20	550
Zinc, Total	61 B	36 B	140 B	43 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	0.013 J	ND	0.011 J	0.05
Barium, TCLP	0.38 J	0.35 J	0.25 J	0.22 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.0067	ND	0.005
Cobalt, TCLP	ND	ND	0.022 J	ND	1
Copper, TCLP	ND	ND	0.011 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.8	0.082	6.6	0.47	0.15
Mercury, SPLP	0.00025 J+	0.00025 J+	ND	ND	0.002
Nickel, TCLP	0.021 J	ND	0.06	0.012 J	0.1
Zinc, TCLP	0.04 J	ND	0.18	0.023 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.071	0.074	0.024 J	0.014 J	0.05
Barium, SPLP	0.66	0.74	0.22 J	0.12 J	2
Beryllium, SPLP	0.0073	0.0092	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.19	0.23	0.08	0.038	0.1
Cobalt, SPLP	0.069	0.053	0.022 J	0.011 J	1
Copper, SPLP	0.27	0.24	0.11	0.057	0.65
Iron, SPLP	210 J+	230 J+	78 J+	50 J+	5
Lead, SPLP	0.13	0.076	0.062	0.027	0.0075
Manganese, SPLP	1.7	0.94	0.5	0.32	0.15
Nickel, SPLP	0.22	0.23	0.08	0.041	0.1
Zinc, SPLP	0.68	0.48	0.38	0.17	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

Summary Table of ISGS Site No. 2835-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-6(0.5-1.5)-101514	ROW-6(0.5-1.5)-101514D	ROW-7(0-1.5)-101414	ROW-7(0-1.5)-101414D	Soil Reference Concentrations[A]
Sample Date	10/15/2014	10/15/2014	10/14/2014	10/14/2014	
Location ID	ROW-6	ROW-6	ROW-7	ROW-7	
Depth	0.5 - 1.5	0.5 - 1.5	0 - 1.5	0 - 1.5	
ISGS Site Number	2835-1	2835-1	2835-1	2835-1	
Parameter					
Laboratory pH (standard units)	8.36	8.33	8.46	8.43	<6.25, >9.0
VOCs (ug/kg)	**None Detected**				
SVOCs (ug/kg)					
Benzo(a)pyrene	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	6.6	6.9	6.3 J-	6.6 J-	11.3/13.0
Barium, Total	47	43	36 J-	39 J-	1500
Beryllium, Total	1.5 J	0.53 J	0.56 J-	0.51 J-	22
Cadmium, Total	ND	ND	0.26 J	0.26 J	5.2
Chromium, Total	15	15	14 J-	13 J-	21
Cobalt, Total	8.6	8	10 J	9.7 J	20
Copper, Total	23	25	20 J	22 J	2900
Iron, Total	19000 B	18000 B	16000 J	15000 J	15000/15900
Lead, Total	68 J	25 J	17 J+	12 J+	107
Manganese, Total	570 B	570 B	470 J	400 J	630/636
Mercury, Total	ND	ND	0.029 J	0.014 J	0.89
Nickel, Total	26	20	25	24	100
Potassium, Total	2000	2000	1800 J	1900 J	---
Sodium, Total	2100	1800	1400 J-	1200 J-	---
Thallium, Total	1.3	1.2	ND	ND	2.6
Vanadium, Total	21	21	19 J-	19 J-	550
Zinc, Total	210 J	96 J	60 J	53 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.32 J	0.29 J	0.31 J	0.28 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0032 J	0.0036 J	ND	0.0022 J	0.005
Cobalt, TCLP	0.014 J	0.014 J	ND	0.018 J	1
Copper, TCLP	0.02 J	0.012 J	0.015 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	5.7	5.6	0.39 J	3.9 J	0.15
Mercury, SPLP	ND	ND	0.00029	ND	0.002
Nickel, TCLP	0.037	0.035	ND	0.033	0.1
Zinc, TCLP	0.068 J	0.07 J	0.028 J	0.032 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.068	0.065	0.083	0.035 J	0.05
Barium, SPLP	0.58	0.56	0.57	0.31 J	2
Beryllium, SPLP	0.0072	0.0071	0.0068	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.19	0.18	0.18 J	0.087 J	0.1
Cobalt, SPLP	0.053	0.051	0.059 J	0.028 J	1
Copper, SPLP	0.23	0.22	0.27 J	0.12 J	0.65
Iron, SPLP	200 J+	190 J+	200 J	88 J	5
Lead, SPLP	0.11	0.099	0.089 J	0.04 J	0.0075
Manganese, SPLP	1.1	0.96	1.1 J	0.61 J	0.15
Nickel, SPLP	0.2	0.19	0.21 J	0.092 J	0.1
Zinc, SPLP	0.59	0.56	0.61 J	0.3 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

Summary Table of ISGS Site No. 2835-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-8(0-1.5)-101414	ROW-11(0-1.5)-101414	ROW-12(0-1.5)-101414	ROW-13(0.5-1.5)-101514	Soil Reference Concentrations[A]
Sample Date	10/14/2014	10/14/2014	10/14/2014	10/15/2014	
Location ID	ROW-8	ROW-11	ROW-12	ROW-13	
Depth	0 - 1.5	0 - 1.5	0 - 1.5	0.5 - 1.5	
ISGS Site Number	2835-1	2835-1	2835-1	2835-1	
Parameter					
Laboratory pH (standard units)	8.28	8.55	8.69	8.13	<6.25, >9.0
VOCs (ug/kg)	**None Detected**				
SVOCs (ug/kg)					
Benzo(a)pyrene	37 J	92	ND	12 J	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	5.3 J-	4.1 J-	6.7 J-	5.2	11.3/13.0
Barium, Total	48 J-	28 J-	54 J-	62	1500
Beryllium, Total	0.72 J-	0.37 J-	0.64 J-	0.6	22
Cadmium, Total	0.25 J	0.64 J	0.29 J	ND	5.2
Chromium, Total	18 J-	14 J-	17 J-	18	21
Cobalt, Total	12 J	5.5 J	12 J	9.2	20
Copper, Total	28 J	31 J	23 J	24	2900
Iron, Total	17000 J	12000 J	18000 J	17000 B	15000/15900
Lead, Total	26 J+	180 J+	63 J+	21 B	107
Manganese, Total	420 J	460 J	540 J	410 B	630/636
Mercury, Total	0.046 J	0.036 J	0.043 J	ND	0.89
Nickel, Total	30	15	19	24	100
Potassium, Total	2400 J	800 J	800 J	3100	---
Sodium, Total	1300 J-	640 J-	1900 J-	2000	---
Thallium, Total	ND	ND	ND	0.82	2.6
Vanadium, Total	20 J-	12 J-	22 J-	20	550
Zinc, Total	63 J	95 J	77 J	51 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.3 J	0.3 J	0.28 J	0.51	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0024 J	ND	0.0036 J	0.005
Cobalt, TCLP	ND	0.017 J	ND	0.012 J	1
Copper, TCLP	0.043	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	0.01	ND	ND	ND	0.0075
Manganese, TCLP	0.26	3.9	0.35	3.7	0.15
Mercury, SPLP	ND	ND	0.00035	ND	0.002
Nickel, TCLP	ND	0.036	ND	0.036	0.1
Zinc, TCLP	0.064 J	0.038 J	0.048 J	0.047 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.04 J	0.02 J	0.063	0.091	0.05
Barium, SPLP	0.4 J	0.25 J	0.45 J	0.94	2
Beryllium, SPLP	0.0047	ND	0.0062	0.01	0.004
Cadmium, SPLP	ND	ND	0.0024 J	ND	0.005
Chromium, SPLP	0.12	0.064	0.16	0.25	0.1
Cobalt, SPLP	0.037	0.017 J	0.042	0.076	1
Copper, SPLP	0.18	0.11	0.26	0.33	0.65
Iron, SPLP	110	59	170	260 J+	5
Lead, SPLP	0.073	0.12	0.2	0.26	0.0075
Manganese, SPLP	0.64	0.4	1.1	1.3	0.15
Nickel, SPLP	0.13	0.062	0.16	0.29	0.1
Zinc, SPLP	0.35	0.24	0.63	0.71	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

Summary Table of ISGS Site No. 2835-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-14(0.5-1.5)-101514	ROW-15(0.5-1.5)-101514	ROW-16(0.5-1.5)-101514	ROW-18(0-5)-101414	Soil Reference Concentrations[A]
Sample Date	10/15/2014	10/15/2014	10/15/2014	10/14/2014	
Location ID	ROW-14	ROW-15	ROW-16	ROW-18	
Depth	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0 - 5	
ISGS Site Number	2835-1	2835-1	2835-1	2835-1	
Parameter					
Laboratory pH (standard units)	8.15	8.56	8.74	8.43	<6.25, >9.0
VOCs (ug/kg)	**None Detected**				
SVOCs (ug/kg)					
Benzo(a)pyrene	13 J	ND	21 J	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	7.1	4	6.8	7.2 J-	11.3/13.0
Barium, Total	50	43	44	42 J-	1500
Beryllium, Total	0.51	0.45	0.48	0.55 J-	22
Cadmium, Total	ND	ND	0.37 B	0.31 J	5.2
Chromium, Total	16	14	15	12 J-	21
Cobalt, Total	9	5.9	7.8	10 J	20
Copper, Total	21	19	29	22 J	2900
Iron, Total	20000 B	13000 B	18000 B	17000 J	15000/15900
Lead, Total	11 B	7.7 B	43 B	31 J+	107
Manganese, Total	470 B	390 B	510 B	460 J	630/636
Mercury, Total	ND	ND	ND	0.019 J	0.89
Nickel, Total	21	15	20	23	100
Potassium, Total	2300	2500	2100	1100 J	---
Sodium, Total	2400	1700	1300	860 J-	---
Thallium, Total	0.91	0.89	1.1	ND	2.6
Vanadium, Total	20	16	20	19 J-	550
Zinc, Total	43 B	37 B	62 B	77 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.43 J	0.36 J	0.23 J	0.41 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0033 J	0.0034 J	0.0065	0.0023 J	0.005
Cobalt, TCLP	0.02 J	0.028	ND	0.087	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075	0.0075
Manganese, TCLP	4	4.4	5.2	13	0.15
Mercury, SPLP	0.00025 J+	0.00022 J+	0.00028 J+	ND	0.002
Nickel, TCLP	0.041	0.046	0.04	0.045	0.1
Zinc, TCLP	0.039 J	0.02 J	0.033 J	0.086 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.091	0.073	0.092	0.024 J	0.05
Barium, SPLP	0.54	0.59	0.57	0.2 J	2
Beryllium, SPLP	0.0078	0.0069	0.008	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.21	0.18	0.21	0.055	0.1
Cobalt, SPLP	0.06	0.05	0.06	0.018 J	1
Copper, SPLP	0.3	0.24	0.3	0.083	0.65
Iron, SPLP	240 J+	190 J+	230 J+	61	5
Lead, SPLP	0.12	0.067	0.35	0.052	0.0075
Manganese, SPLP	1	0.82	1.2	0.73	0.15
Nickel, SPLP	0.23	0.19	0.23	0.062	0.1
Zinc, SPLP	0.6	0.53	0.72	0.26	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.

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J+ - Estimated concentration, biased high.

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

Summary Table of ISGS Site No. 2835-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-19(0-5)-101414	ROW-20(0.5-1.5)-101514	ROW-21(0.5-1.5)-101514	Soil Reference Concentrations[A]
Sample Date	10/14/2014	10/15/2014	10/15/2014	
Location ID	ROW-19	ROW-20	ROW-21	
Depth	0 - 5	0.5 - 1.5	0.5 - 1.5	
ISGS Site Number	2835-1	2835-1	2835-1	
Parameter				
Laboratory pH (standard units)	8.45	8.82	8.13	<6.25, >9.0
VOCs (ug/kg)	**None Detected**			
SVOCs (ug/kg)				
Benzo(a)pyrene	ND	ND	61	90 / 1300 / 2100
Total Metals (mg/kg)				
Arsenic, Total	6.3 J-	5.6	6.4	11.3/13.0
Barium, Total	24 J-	39	40	1500
Beryllium, Total	0.44 J-	0.5	0.34	22
Cadmium, Total	0.26 J	ND	ND	5.2
Chromium, Total	11 J-	15	12	21
Cobalt, Total	8.1 J	8.2	5.2	20
Copper, Total	19 J	23	14	2900
Iron, Total	15000 J	16000 B	15000 B	15000/15900
Lead, Total	15 J+	12 B	30 B	107
Manganese, Total	560 J	480 B	350 B	630/636
Mercury, Total	0.03 J	ND	ND	0.89
Nickel, Total	20	20	13	100
Potassium, Total	1200 J	2700	1300	---
Sodium, Total	670 J-	1000	470	---
Thallium, Total	ND	0.93	0.86	2.6
Vanadium, Total	15 J-	19	18	550
Zinc, Total	64 J	40 B	44 B	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	0.012 J	0.05
Barium, TCLP	0.21 J	0.25 J	0.24 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	0.002 J	0.003 J	ND	0.005
Cobalt, TCLP	0.077	0.026	ND	1
Copper, TCLP	ND	ND	0.035	0.65
Iron, TCLP	0.21	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	12	4.1	0.18	0.15
Mercury, SPLP	ND	0.00027 J+	ND	0.002
Nickel, TCLP	0.067	0.036	ND	0.1
Zinc, TCLP	0.039 J	0.037 J	0.072 J	5
SPLP Metals (mg/l)				
Arsenic, SPLP	0.05	0.079	ND	0.05
Barium, SPLP	0.24 J	0.6	0.096 J	2
Beryllium, SPLP	ND	0.0081	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.005
Chromium, SPLP	0.096	0.21	0.018 J	0.1
Cobalt, SPLP	0.037	0.061	ND	1
Copper, SPLP	0.15	0.29	0.014 J	0.65
Iron, SPLP	120	210 J+	12 J+	5
Lead, SPLP	0.066	0.12	0.02	0.0075
Manganese, SPLP	1.1	1.1	0.071	0.15
Nickel, SPLP	0.13	0.23	0.014 J	0.1
Zinc, SPLP	0.43	0.57	0.096 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86029-1

Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

For:

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 12:37:05 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid
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	☼		10/16/14 04:09	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:09	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:09	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/16/14 04:09	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		10/16/14 04:09	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 04:09	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:09	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		10/16/14 04:09	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		10/16/14 04:09	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		10/16/14 04:09	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 04:09	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		10/16/14 04:09	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:09	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:09	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		10/16/14 04:09	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		10/16/14 04:09	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		10/16/14 04:09	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		10/16/14 04:09	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:09	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 04:09	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		10/16/14 04:09	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:09	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/16/14 04:09	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:09	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:09	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:09	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 04:09	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		10/16/14 04:09	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		10/16/14 04:09	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:09	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:09	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 04:09	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:09	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:09	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 04:09	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/16/14 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*10/16/14 04:09*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/16/14 04:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*10/16/14 04:09*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*10/16/14 04:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid
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	☼	10/16/14 07:24	10/27/14 15:55	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Anthracene	<39		39	6.6	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[a]anthracene	**19**	**J**	39	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[b]fluoranthene	**48**		39	8.5	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[g,h,i]perylene	**40**		39	13	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[k]fluoranthene	**22**	**J**	39	12	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Carbazole	<200		200	100	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Chrysene	**27**	**J**	39	11	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Fluoranthene	**36**	**J**	39	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Fluorene	<39		39	5.6	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachloroethane	<200		200	60	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid
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	26	J	39	10	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Isophorone	<200		200	44	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Naphthalene	<39		39	6.1	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Phenanthrene	12	J	39	5.5	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Phenol	<200		200	88	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Pyrene	36	J	39	7.9	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
Phenol-d5	*45*		*31 - 110*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
Terphenyl-d14	*74*		*36 - 134*	*10/16/14 07:24*	*10/27/14 15:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Barium	0.28	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:11	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:11	1
Manganese	0.35		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:11	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Zinc	0.048	J	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Barium	0.45	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 18:32	1
Beryllium	0.0062		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 18:32	1
Cadmium	0.0024	J ^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 18:32	1
Chromium	0.16		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Cobalt	0.042		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Copper	0.26		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Iron	170		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 18:32	1
Lead	0.20		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 18:32	1
Manganese	1.1		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Nickel	0.16		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 18:32	1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Zinc	**0.63**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 18:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Arsenic	**6.7**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Barium	**54**		0.56	0.060	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Beryllium	**0.64**		0.22	0.045	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Cadmium	**0.29**		0.11	0.014	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Calcium	**11000**		11	3.0	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Chromium	**17**		0.56	0.065	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Cobalt	**12**		0.28	0.056	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Copper	**23**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Iron	**18000**		11	4.6	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Lead	**63**		0.28	0.083	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Magnesium	**8000**		5.6	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Manganese	**540**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Nickel	**19**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Potassium	**800**		28	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Selenium	**0.41**	**J B**	0.56	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Sodium	**1900**		56	7.5	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Thallium	<0.56		0.56	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Vanadium	**22**		0.28	0.041	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Zinc	**77**	**B**	1.1	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**		0.20	0.20	ug/L		10/24/14 13:30	10/27/14 08:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43**		20	7.9	ug/Kg	☼	10/20/14 15:00	10/21/14 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.69**		0.200	0.200	SU			10/23/14 23:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-11(0-1.5)-101414
Date Collected: 10/14/14 12:11
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-14
Matrix: Solid
Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/16/14 05:20	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 05:20	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 05:20	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/16/14 05:20	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		10/16/14 05:20	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 05:20	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/16/14 05:20	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/16/14 05:20	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 05:20	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/16/14 05:20	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 05:20	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		10/16/14 05:20	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		10/16/14 05:20	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 05:20	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/16/14 05:20	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 05:20	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/16/14 05:20	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		10/16/14 05:20	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		10/16/14 05:20	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 05:20	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/16/14 05:20	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 05:20	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/16/14 05:20	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/16/14 05:20	1
Methyl tert-butyl ether	<5.8		5.8	0.97	ug/Kg	☼		10/16/14 05:20	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		10/16/14 05:20	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 05:20	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		10/16/14 05:20	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		10/16/14 05:20	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 05:20	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 05:20	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 05:20	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 05:20	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		10/16/14 05:20	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 05:20	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/16/14 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/16/14 05:20*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/16/14 05:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*10/16/14 05:20*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 05:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-11(0-1.5)-101414
Date Collected: 10/14/14 12:11
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-14
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Anthracene	**15**	**J**	38	6.3	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Benzo[a]anthracene	**85**		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Benzo[a]pyrene	**92**		38	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Benzo[b]fluoranthene	**130**		38	8.2	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Benzo[g,h,i]perylene	**85**		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Benzo[k]fluoranthene	**72**		38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Carbazole	<190		190	98	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Chrysene	**99**		38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Dibenz(a,h)anthracene	**26**	**J**	38	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Fluoranthene	**150**		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1

Client Sample ID: ROW-11(0-1.5)-101414
Date Collected: 10/14/14 12:11
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-14
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	66		38	9.8	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Isophorone	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Phenanthrene	67		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Phenol	<190		190	84	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1
Pyrene	130		38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*10/16/14 07:24*	*10/27/14 17:01*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*10/16/14 07:24*	*10/27/14 17:01*	*1*
2-Fluorophenol	*43*		*25 - 110*	*10/16/14 07:24*	*10/27/14 17:01*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*10/16/14 07:24*	*10/27/14 17:01*	*1*
Phenol-d5	*40*		*31 - 110*	*10/16/14 07:24*	*10/27/14 17:01*	*1*
Terphenyl-d14	*61*		*36 - 134*	*10/16/14 07:24*	*10/27/14 17:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Barium	0.30	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:30	1
Cadmium	0.0024	J ^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:30	1
Manganese	3.9		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Nickel	0.036		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:30	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:30	1
Zinc	0.038	J	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Barium	0.25	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 18:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 18:51	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 18:51	1
Chromium	0.064		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Copper	0.11		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Iron	59		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 18:51	1
Lead	0.12		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 18:51	1
Manganese	0.40		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Nickel	0.062		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 18:51	1

Client Sample ID: ROW-11(0-1.5)-101414
Date Collected: 10/14/14 12:11
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:51	1
Zinc	**0.24**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 18:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Arsenic	**4.1**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Barium	**28**		0.57	0.061	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Beryllium	**0.37**		0.23	0.045	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Cadmium	**0.64**		0.11	0.014	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Calcium	**75000**		110	31	mg/Kg	☼	10/24/14 09:45	10/30/14 04:42	10
Chromium	**14**		0.57	0.066	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Cobalt	**5.5**		0.28	0.057	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Copper	**31**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Iron	**12000**		11	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Lead	**180**		0.28	0.085	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Magnesium	**33000**		5.7	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Manganese	**460**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Nickel	**15**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Potassium	**800**		28	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Selenium	**0.30**	**J B**	0.57	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Silver	<0.28		0.28	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Sodium	**640**		57	7.6	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Vanadium	**12**		0.28	0.042	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	1
Zinc	**95**	**B**	1.1	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 02:49	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		10/22/14 12:00	10/23/14 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:30	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**		17	6.6	ug/Kg	☼	10/20/14 15:00	10/21/14 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.55**		0.200	0.200	SU			10/23/14 23:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		10/16/14 05:44	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 05:44	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 05:44	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/16/14 05:44	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/16/14 05:44	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 05:44	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 05:44	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		10/16/14 05:44	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 05:44	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/16/14 05:44	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 05:44	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		10/16/14 05:44	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 05:44	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 05:44	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		10/16/14 05:44	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 05:44	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		10/16/14 05:44	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		10/16/14 05:44	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 05:44	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 05:44	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/16/14 05:44	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 05:44	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/16/14 05:44	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 05:44	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		10/16/14 05:44	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 05:44	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 05:44	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		10/16/14 05:44	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		10/16/14 05:44	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 05:44	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 05:44	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 05:44	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 05:44	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		10/16/14 05:44	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 05:44	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		10/16/14 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/16/14 05:44*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/14 05:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*10/16/14 05:44*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 05:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Anthracene	<38		38	6.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[a]anthracene	**29**	**J**	38	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[a]pyrene	**37**	**J**	38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[b]fluoranthene	**57**		38	8.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[g,h,i]perylene	**38**		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[k]fluoranthene	**19**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Bis(2-ethylhexyl) phthalate	**87**	**J**	190	71	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Carbazole	<190		190	100	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Chrysene	**32**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Dibenz(a,h)anthracene	**12**	**J**	38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Fluoranthene	**65**		38	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	24	J	38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Isophorone	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Phenanthrene	22	J	38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Phenol	<190		190	86	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Pyrene	50		38	7.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*35 - 137*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
2-Fluorobiphenyl	*48*		*25 - 119*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
2-Fluorophenol	*39*		*25 - 110*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
Phenol-d5	*41*		*31 - 110*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
Terphenyl-d14	*60*		*36 - 134*	*10/16/14 07:24*	*10/27/14 11:51*	*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		10/22/14 08:30	10/28/14 22:37	1
Barium	0.30	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:37	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Copper	0.043		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:37	1
Lead	0.010		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:37	1
Manganese	0.26		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:37	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Zinc	0.064	J	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.040	J	0.050	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Barium	0.40	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 18:58	1
Beryllium	0.0047		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 18:58	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 18:58	1
Chromium	0.12		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Cobalt	0.037		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Copper	0.18		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Iron	110		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 18:58	1
Lead	0.073		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 18:58	1
Manganese	0.64		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Nickel	0.13		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 18:58	1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Zinc	**0.35**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 18:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Arsenic	**5.3**		0.58	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Barium	**48**		0.58	0.062	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Beryllium	**0.72**		0.23	0.046	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Cadmium	**0.25**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Calcium	**67000**		120	31	mg/Kg	☼	10/24/14 09:45	10/30/14 04:46	10
Chromium	**18**		0.58	0.067	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Cobalt	**12**		0.29	0.058	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Copper	**28**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Iron	**17000**		12	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Lead	**26**		0.29	0.086	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Magnesium	**29000**		5.8	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Manganese	**420**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Nickel	**30**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Potassium	**2400**		29	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Sodium	**1300**		58	7.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Vanadium	**20**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Zinc	**63**	**B**	1.2	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:11	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		10/21/14 13:00	10/22/14 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**46**		18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.28**		0.200	0.200	SU			10/24/14 00:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		10/16/14 06:31	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 06:31	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 06:31	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/16/14 06:31	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/16/14 06:31	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 06:31	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 06:31	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		10/16/14 06:31	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 06:31	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/16/14 06:31	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 06:31	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		10/16/14 06:31	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 06:31	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 06:31	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		10/16/14 06:31	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		10/16/14 06:31	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		10/16/14 06:31	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		10/16/14 06:31	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 06:31	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 06:31	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/16/14 06:31	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 06:31	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/16/14 06:31	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 06:31	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		10/16/14 06:31	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 06:31	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 06:31	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		10/16/14 06:31	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		10/16/14 06:31	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 06:31	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 06:31	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 06:31	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		10/16/14 06:31	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		10/16/14 06:31	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 06:31	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		10/16/14 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*10/16/14 06:31*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*10/16/14 06:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*10/16/14 06:31*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/16/14 06:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Carbazole	<190		190	96	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Chrysene	<37		37	10	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid
Percent Solids: 83.9

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	<37		37	9.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Isophorone	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Phenol	<190		190	83	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Pyrene	<37		37	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
2-Fluorophenol	*41*		*25 - 110*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
Phenol-d5	*37*		*31 - 110*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
Terphenyl-d14	*62*		*36 - 134*	*10/16/14 07:24*	*10/27/14 10:24*	*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		10/22/14 08:30	10/28/14 22:49	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:49	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:49	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:49	1
Manganese	**0.39**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:49	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Zinc	**0.028**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.083**		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Barium	**0.57**		0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:26	1
Beryllium	**0.0068**		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:26	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:26	1
Chromium	**0.18**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Cobalt	**0.059**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Copper	**0.27**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Iron	**200**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:26	1
Lead	**0.089**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:26	1
Manganese	**1.1**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Nickel	**0.21**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:26	1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Zinc	**0.61**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Arsenic	**6.3**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Barium	**36**		0.59	0.063	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Beryllium	**0.56**		0.24	0.047	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Cadmium	**0.26**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Calcium	**69000**		120	32	mg/Kg	☼	10/24/14 09:45	10/30/14 05:02	10
Chromium	**14**		0.59	0.068	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Cobalt	**10**		0.29	0.059	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Copper	**20**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Iron	**16000**		12	4.8	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Lead	**17**		0.29	0.088	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Magnesium	**27000**		5.9	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Manganese	**470**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Nickel	**25**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Potassium	**1800**		29	1.8	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Selenium	**0.27**	**J B**	0.59	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Sodium	**1400**		59	7.9	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Vanadium	**19**		0.29	0.044	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Zinc	**60**	**B**	1.2	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	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		10/22/14 12:00	10/23/14 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.29**		0.20	0.20	ug/L		10/24/14 13:30	10/27/14 08:19	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	**29**		19	7.3	ug/Kg	☼	10/20/14 15:00	10/21/14 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			10/24/14 00:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/16/14 06:55	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 06:55	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 06:55	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/16/14 06:55	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		10/16/14 06:55	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 06:55	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/16/14 06:55	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/16/14 06:55	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 06:55	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/16/14 06:55	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/16/14 06:55	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 06:55	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 06:55	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/16/14 06:55	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/16/14 06:55	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/16/14 06:55	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		10/16/14 06:55	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 06:55	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/16/14 06:55	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 06:55	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/16/14 06:55	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/16/14 06:55	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		10/16/14 06:55	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 06:55	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		10/16/14 06:55	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		10/16/14 06:55	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 06:55	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 06:55	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 06:55	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 06:55	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		10/16/14 06:55	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/16/14 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*10/16/14 06:55*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/16/14 06:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*10/16/14 06:55*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/16/14 06:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Carbazole	<190		190	99	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Chrysene	<38		38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Isophorone	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Phenol	<190		190	85	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*35 - 137*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
2-Fluorophenol	*43*		*25 - 110*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
Phenol-d5	*43*		*31 - 110*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
Terphenyl-d14	*68*		*36 - 134*	*10/16/14 07:24*	*10/27/14 11:08*	*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		10/22/14 08:30	10/28/14 22:56	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:56	1
Cadmium	**0.0022**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:56	1
Manganese	**3.9**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Nickel	**0.033**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:56	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Zinc	**0.032**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.035**	**J**	0.050	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:33	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:33	1
Chromium	**0.087**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Cobalt	**0.028**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Copper	**0.12**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Iron	**88**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:33	1
Lead	**0.040**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:33	1
Manganese	**0.61**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Nickel	**0.092**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:33	1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Zinc	**0.30**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Arsenic	**6.6**		0.58	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Barium	**39**		0.58	0.062	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Beryllium	**0.51**		0.23	0.046	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Cadmium	**0.26**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Calcium	**93000**		120	31	mg/Kg	☼	10/24/14 09:45	10/30/14 05:06	10
Chromium	**13**		0.58	0.067	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Cobalt	**9.7**		0.29	0.058	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Copper	**22**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Iron	**15000**		12	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Lead	**12**		0.29	0.086	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Magnesium	**39000**		5.8	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Manganese	**400**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Nickel	**24**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Potassium	**1900**		29	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Selenium	**0.68**	**B**	0.58	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Sodium	**1200**		58	7.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Zinc	**53**	**B**	1.2	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	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		10/22/14 12:00	10/23/14 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	19	7.3	ug/Kg	☼	10/20/14 15:00	10/21/14 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			10/24/14 00:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid
Percent Solids: 88.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		10/16/14 07:19	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		10/16/14 07:19	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		10/16/14 07:19	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		10/16/14 07:19	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		10/16/14 07:19	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		10/16/14 07:19	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		10/16/14 07:19	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		10/16/14 07:19	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		10/16/14 07:19	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		10/16/14 07:19	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		10/16/14 07:19	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		10/16/14 07:19	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		10/16/14 07:19	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		10/16/14 07:19	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		10/16/14 07:19	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		10/16/14 07:19	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		10/16/14 07:19	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		10/16/14 07:19	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		10/16/14 07:19	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		10/16/14 07:19	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		10/16/14 07:19	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		10/16/14 07:19	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		10/16/14 07:19	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		10/16/14 07:19	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		10/16/14 07:19	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		10/16/14 07:19	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		10/16/14 07:19	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		10/16/14 07:19	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		10/16/14 07:19	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		10/16/14 07:19	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		10/16/14 07:19	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		10/16/14 07:19	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		10/16/14 07:19	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		10/16/14 07:19	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		10/16/14 07:19	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		10/16/14 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/16/14 07:19*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/14 07:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*10/16/14 07:19*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/16/14 07:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Methylphenol	<180		180	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Anthracene	<36		36	6.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[a]anthracene	<36		36	4.8	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Carbazole	<180		180	93	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Chrysene	<36		36	9.8	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachloroethane	<180		180	55	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid
Percent Solids: 88.0

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	<36		36	9.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Isophorone	<180		180	40	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Naphthalene	<36		36	5.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Phenol	<180		180	80	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Pyrene	<36		36	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
Phenol-d5	*42*		*31 - 110*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
Terphenyl-d14	*65*		*36 - 134*	*10/16/14 07:24*	*10/27/14 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		10/22/14 08:30	10/28/14 23:02	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 23:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 23:02	1
Cadmium	**0.0020**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 23:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Cobalt	**0.077**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Iron	**0.21**		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 23:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 23:02	1
Manganese	**12**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Nickel	**0.067**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 23:02	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Zinc	**0.039**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.050**		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:39	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:39	1
Chromium	**0.096**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Cobalt	**0.037**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Copper	**0.15**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Iron	**120**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:39	1
Lead	**0.066**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:39	1
Manganese	**1.1**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Nickel	**0.13**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:39	1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Zinc	**0.43**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Arsenic	**6.3**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Barium	**24**		0.52	0.056	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Beryllium	**0.44**		0.21	0.042	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Cadmium	**0.26**		0.10	0.013	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Calcium	**31000**		10	2.8	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Chromium	**11**		0.52	0.061	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Cobalt	**8.1**		0.26	0.052	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Copper	**19**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Iron	**15000**		10	4.3	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Lead	**15**		0.26	0.078	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Magnesium	**19000**		5.2	1.1	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Manganese	**560**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Nickel	**20**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Potassium	**1200**		26	1.6	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Selenium	**0.53**	**B**	0.52	0.19	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Sodium	**670**		52	7.0	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Thallium	<0.52		0.52	0.22	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Vanadium	**15**		0.26	0.039	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Zinc	**64**	**B**	1.0	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		17	6.8	ug/Kg	☼	10/20/14 15:00	10/21/14 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.45**		0.200	0.200	SU			10/24/14 00:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid
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	☼		10/16/14 07:43	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		10/16/14 07:43	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/16/14 07:43	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/16/14 07:43	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		10/16/14 07:43	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 07:43	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		10/16/14 07:43	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 07:43	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/16/14 07:43	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 07:43	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		10/16/14 07:43	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		10/16/14 07:43	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		10/16/14 07:43	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 07:43	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		10/16/14 07:43	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		10/16/14 07:43	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		10/16/14 07:43	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 07:43	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/16/14 07:43	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 07:43	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/16/14 07:43	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 07:43	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		10/16/14 07:43	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 07:43	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		10/16/14 07:43	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		10/16/14 07:43	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		10/16/14 07:43	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 07:43	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		10/16/14 07:43	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 07:43	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 07:43	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/16/14 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/16/14 07:43*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*10/16/14 07:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*10/16/14 07:43*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 07:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid
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	☼	10/16/14 07:24	10/27/14 19:34	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Nitrophenol	<380		380	92	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Anthracene	**9.1**	**J**	38	6.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[a]anthracene	**28**	**J**	38	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[b]fluoranthene	**51**		38	8.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[k]fluoranthene	**23**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Carbazole	<190		190	100	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Chrysene	**29**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Fluoranthene	**51**		38	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid
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	☼	10/16/14 07:24	10/27/14 19:34	1
Isophorone	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Naphthalene	<38		38	6.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Phenanthrene	**31**	**J**	38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Phenol	<190		190	86	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Pyrene	**50**		38	7.7	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
2-Fluorophenol	*39*		*25 - 110*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
Phenol-d5	*37*		*31 - 110*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
Terphenyl-d14	*69*		*36 - 134*	*10/16/14 07:24*	*10/27/14 19:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 23:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 23:24	1
Cadmium	**0.0023**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 23:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Cobalt	**0.087**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 23:24	1
Lead	**0.0075**		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 23:24	1
Manganese	**13**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Nickel	**0.045**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 23:24	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Zinc	**0.086**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 23:24	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		10/21/14 10:30	10/28/14 19:46	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:46	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:46	1
Chromium	**0.055**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Copper	**0.083**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Iron	**61**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:46	1
Lead	**0.052**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:46	1
Manganese	**0.73**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Nickel	**0.062**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:46	1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Zinc	**0.26**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Arsenic	**7.2**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Barium	**42**		0.57	0.061	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Beryllium	**0.55**		0.23	0.046	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Cadmium	**0.31**		0.11	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Calcium	**59000**		110	31	mg/Kg	☼	10/24/14 09:45	10/30/14 05:10	10
Chromium	**12**		0.57	0.067	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Cobalt	**10**		0.29	0.057	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Copper	**22**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Iron	**17000**		11	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Lead	**31**		0.29	0.086	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Magnesium	**26000**		5.7	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Manganese	**460**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Nickel	**23**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Potassium	**1100**		29	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Sodium	**860**		57	7.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Zinc	**77**	**B**	1.1	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		19	7.4	ug/Kg	☼	10/20/14 15:00	10/21/14 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			10/24/14 00:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86029
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler: 3.1/2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Gurnee/Wadsworth, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
							Parameter										
11		ROW-12 (0-1.5)-101414	10/14/14	1140	2	S		X	X	X	X	X					
12		WL1-1 (0-1.5)-101414		1149	2	S		X	X	X	X	X					
13		ROW-10 (0-1.5)-101414		1201	2	S		X	X	X	X	X					
14		ROW-11 (0-1.5)-101414		1211	2	S		X	X	X	X	X					
15		ROW-8 (0-1.5)-101414		1230	2	S		X	X	X	X	X					
16		ROW-9 (0-1.5)-101414		1245	2	S		X	X	X	X	X					
17		ROW-7 (0-1.5)-101414		1320	2	S		X	X	X	X	X					
18		ROW-7 (0-1.5)-101414D		1320	2	S		X	X	X	X	X					
19		ROW-19 (0-5)-101414		1410	2	S		X	X	X	X	X					
20		ROW-18 (0-5)-101414		1425	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10/14/14	1500	[illegible]	TA	10/14/14	1506
[illegible]	TA	10/14/14	1700	O'Neal	TA	10/14/14	1455
[illegible]	TA	10/14/14	1815	[illegible]	TA-CHI	10/15/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86119-1
Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 1:22:57 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-2(0.5-1.5)-101514
Date Collected: 10/15/14 08:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-1
Matrix: Solid
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	☼		10/17/14 17:34	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		10/17/14 17:34	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/17/14 17:34	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		10/17/14 17:34	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		10/17/14 17:34	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		10/17/14 17:34	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		10/17/14 17:34	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		10/17/14 17:34	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		10/17/14 17:34	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		10/17/14 17:34	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 17:34	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		10/17/14 17:34	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 17:34	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/17/14 17:34	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		10/17/14 17:34	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/17/14 17:34	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		10/17/14 17:34	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		10/17/14 17:34	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 17:34	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 17:34	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		10/17/14 17:34	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		10/17/14 17:34	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		10/17/14 17:34	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		10/17/14 17:34	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		10/17/14 17:34	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 17:34	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 17:34	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		10/17/14 17:34	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		10/17/14 17:34	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		10/17/14 17:34	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		10/17/14 17:34	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		10/17/14 17:34	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		10/17/14 17:34	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		10/17/14 17:34	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 17:34	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/17/14 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*10/17/14 17:34*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/17/14 17:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*10/17/14 17:34*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*10/17/14 17:34*	*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	42	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-2(0.5-1.5)-101514
Date Collected: 10/15/14 08:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-1
Matrix: Solid
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	<390		390	89	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
3-Nitroaniline	<390	*	390	120	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4-Nitroaniline	<390	*	390	160	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Benzo[a]pyrene	**8.1**	**J**	39	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Benzo[b]fluoranthene	**14**	**J**	39	8.4	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Carbazole	<200	*	200	100	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Chrysene	**11**	**J**	39	11	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Fluoranthene	**13**	**J**	39	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-2(0.5-1.5)-101514
Date Collected: 10/15/14 08:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-1
Matrix: Solid
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	<39		39	10	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Isophorone	<200		200	44	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Phenol	<200		200	87	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1
Pyrene	**13**	**J**	39	7.7	ug/Kg	☼	10/17/14 07:48	10/27/14 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*35 - 137*	*10/17/14 07:48*	*10/27/14 12:39*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*10/17/14 07:48*	*10/27/14 12:39*	*1*
2-Fluorophenol	*44*		*25 - 110*	*10/17/14 07:48*	*10/27/14 12:39*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*10/17/14 07:48*	*10/27/14 12:39*	*1*
Phenol-d5	*49*		*31 - 110*	*10/17/14 07:48*	*10/27/14 12:39*	*1*
Terphenyl-d14	*61*		*36 - 134*	*10/17/14 07:48*	*10/27/14 12:39*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 20:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 20:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 20:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 20:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 20:38	1
Manganese	**2.8**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 20:38	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:38	1
Zinc	**0.040**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Barium	**0.66**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 06:39	1
Beryllium	**0.0073**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 06:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 06:39	1
Chromium	**0.19**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Cobalt	**0.069**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Copper	**0.27**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Iron	**210**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 06:39	1
Lead	**0.13**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 06:39	1
Manganese	**1.7**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Nickel	**0.22**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 06:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-2(0.5-1.5)-101514
Date Collected: 10/15/14 08:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:39	1
Zinc	**0.68**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 06:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Arsenic	**7.1**		0.58	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Barium	**52**		0.58	0.062	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Beryllium	**0.57**		0.23	0.046	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Cadmium	**0.26**	**B**	0.12	0.015	mg/Kg	☼	10/25/14 08:45	10/28/14 21:43	1
Calcium	**32000**	**B**	12	3.1	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Chromium	**17**		0.58	0.067	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Cobalt	**8.8**		0.29	0.058	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Copper	**26**		0.56	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 19:16	1
Iron	**19000**	**B**	12	4.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Lead	**13**	**B**	0.29	0.086	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Magnesium	**19000**		5.8	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Manganese	**510**	**B**	0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Nickel	**22**		0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Potassium	**2200**		29	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Selenium	<0.58		0.58	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Silver	**0.037**	**J B**	0.29	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Sodium	**1600**		58	7.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Thallium	**1.3**		0.58	0.24	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Vanadium	**22**		0.29	0.043	mg/Kg	☼	10/25/14 08:45	10/28/14 02:15	1
Zinc	**61**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 19:16	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		10/22/14 12:00	10/23/14 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:22	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**	**B**	20	7.7	ug/Kg	☼	10/20/14 15:00	10/21/14 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.22**		0.200	0.200	SU			10/23/14 20:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-3(0.5-1.5)-101514
Date Collected: 10/15/14 08:55
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-2
Matrix: Solid
Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/17/14 17:57	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		10/17/14 17:57	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 17:57	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/17/14 17:57	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		10/17/14 17:57	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 17:57	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/17/14 17:57	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/17/14 17:57	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 17:57	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/17/14 17:57	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 17:57	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		10/17/14 17:57	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		10/17/14 17:57	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 17:57	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/17/14 17:57	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 17:57	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/17/14 17:57	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		10/17/14 17:57	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		10/17/14 17:57	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 17:57	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 17:57	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 17:57	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/17/14 17:57	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/17/14 17:57	1
Methyl tert-butyl ether	<5.8		5.8	0.97	ug/Kg	☼		10/17/14 17:57	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		10/17/14 17:57	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 17:57	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		10/17/14 17:57	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		10/17/14 17:57	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/17/14 17:57	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 17:57	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 17:57	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		10/17/14 17:57	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		10/17/14 17:57	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 17:57	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/17/14 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*10/17/14 17:57*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/17/14 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*10/17/14 17:57*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/17/14 17:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-3(0.5-1.5)-101514
Date Collected: 10/15/14 08:55
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-2
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2-Methylphenol	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
3-Nitroaniline	<370	*	370	110	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4-Nitroaniline	<370	*	370	150	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Carbazole	<190	*	190	96	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Chrysene	<37		37	10	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-3(0.5-1.5)-101514
Date Collected: 10/15/14 08:55
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-2
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Isophorone	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Phenol	<190		190	82	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1
Pyrene	<37		37	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*10/17/14 07:48*	*10/27/14 13:00*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*10/17/14 07:48*	*10/27/14 13:00*	*1*
2-Fluorophenol	*53*		*25 - 110*	*10/17/14 07:48*	*10/27/14 13:00*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*10/17/14 07:48*	*10/27/14 13:00*	*1*
Phenol-d5	*57*		*31 - 110*	*10/17/14 07:48*	*10/27/14 13:00*	*1*
Terphenyl-d14	*71*		*36 - 134*	*10/17/14 07:48*	*10/27/14 13:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 20:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 20:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 20:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 20:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 20:58	1
Manganese	**0.082**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Selenium	**0.022**	**J B**	0.050	0.020	mg/L		10/22/14 08:30	10/22/14 20:58	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 20:58	1
Zinc	<0.10		0.10	0.020	mg/L		10/22/14 08:30	10/22/14 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.074**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Barium	**0.74**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 06:45	1
Beryllium	**0.0092**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 06:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 06:45	1
Chromium	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Cobalt	**0.053**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Copper	**0.24**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Iron	**230**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 06:45	1
Lead	**0.076**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 06:45	1
Manganese	**0.94**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Nickel	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 06:45	1

Client Sample ID: ROW-3(0.5-1.5)-101514
Date Collected: 10/15/14 08:55
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:45	1
Zinc	**0.48**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 06:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Arsenic	**4.8**		0.57	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Barium	**43**		0.57	0.061	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Beryllium	**0.57**		0.23	0.046	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Cadmium	**0.19**	**B**	0.11	0.015	mg/Kg	☼	10/25/14 08:45	10/28/14 21:48	1
Calcium	**100000**	**B**	110	31	mg/Kg	☼	10/25/14 08:45	10/28/14 21:53	10
Chromium	**16**		0.57	0.066	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Cobalt	**6.3**		0.29	0.057	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Copper	**18**		0.58	0.12	mg/Kg	☼	10/29/14 09:45	10/29/14 19:22	1
Iron	**16000**	**B**	11	4.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Lead	**8.6**	**B**	0.29	0.085	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Magnesium	**26000**		5.7	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Manganese	**280**	**B**	0.57	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Nickel	**17**		0.57	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Potassium	**2600**		29	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Silver	**0.036**	**J B**	0.29	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Sodium	**2800**		57	7.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Thallium	**0.90**		0.57	0.24	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Vanadium	**19**		0.29	0.042	mg/Kg	☼	10/25/14 08:45	10/28/14 02:36	1
Zinc	**36**	**B**	1.2	0.24	mg/Kg	☼	10/29/14 09:45	10/29/14 19:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:28	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	**29**	**B**	19	7.5	ug/Kg	☼	10/20/14 15:00	10/21/14 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			10/23/14 21:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-4(0.5-1.5)-101514
Date Collected: 10/15/14 09:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-3
Matrix: Solid
Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		10/17/14 18:20	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		10/17/14 18:20	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		10/17/14 18:20	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		10/17/14 18:20	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		10/17/14 18:20	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		10/17/14 18:20	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 18:20	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		10/17/14 18:20	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 18:20	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		10/17/14 18:20	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 18:20	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		10/17/14 18:20	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		10/17/14 18:20	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		10/17/14 18:20	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		10/17/14 18:20	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		10/17/14 18:20	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		10/17/14 18:20	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		10/17/14 18:20	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		10/17/14 18:20	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		10/17/14 18:20	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		10/17/14 18:20	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 18:20	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		10/17/14 18:20	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 18:20	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		10/17/14 18:20	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		10/17/14 18:20	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		10/17/14 18:20	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		10/17/14 18:20	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		10/17/14 18:20	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		10/17/14 18:20	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 18:20	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		10/17/14 18:20	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		10/17/14 18:20	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		10/17/14 18:20	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 18:20	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		10/17/14 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*10/17/14 18:20*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/17/14 18:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 134*		*10/17/14 18:20*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/17/14 18:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1

Client Sample ID: ROW-4(0.5-1.5)-101514
Date Collected: 10/15/14 09:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-3
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2-Methylphenol	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4-Nitroaniline	<360	*	360	150	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Anthracene	<36		36	6.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Benzo[a]anthracene	**10**	**J**	36	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Benzo[a]pyrene	**12**	**J**	36	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Benzo[b]fluoranthene	**21**	**J**	36	7.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Benzo[g,h,i]perylene	**18**	**J**	36	12	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Carbazole	<180	*	180	93	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Chrysene	**16**	**J**	36	9.9	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Fluoranthene	**15**	**J**	36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Hexachloroethane	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-4(0.5-1.5)-101514
Date Collected: 10/15/14 09:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-3
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	11	J	36	9.4	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Isophorone	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Phenanthrene	7.9	J	36	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Phenol	<180		180	80	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1
Pyrene	20	J	36	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*35 - 137*	*10/17/14 07:48*	*10/27/14 13:20*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*10/17/14 07:48*	*10/27/14 13:20*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/17/14 07:48*	*10/27/14 13:20*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*10/17/14 07:48*	*10/27/14 13:20*	*1*
Phenol-d5	*52*		*31 - 110*	*10/17/14 07:48*	*10/27/14 13:20*	*1*
Terphenyl-d14	*71*		*36 - 134*	*10/17/14 07:48*	*10/27/14 13:20*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Barium	0.25	J	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:04	1
Cadmium	0.0067		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Copper	0.011	J	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:04	1
Manganese	6.6		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Nickel	0.060		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:04	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:04	1
Zinc	0.18		0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:04	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		10/20/14 09:30	10/29/14 06:52	1
Barium	0.22	J	0.50	0.050	mg/L		10/20/14 09:30	10/29/14 06:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 06:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 06:52	1
Chromium	0.080		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:52	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:52	1
Copper	0.11		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:52	1
Iron	78		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 06:52	1
Lead	0.062		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 06:52	1
Manganese	0.50		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:52	1
Nickel	0.080		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 06:52	1

Client Sample ID: ROW-4(0.5-1.5)-101514
Date Collected: 10/15/14 09:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 06:52	1
Zinc	**0.38**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 06:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Arsenic	**6.8**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Barium	**52**		0.56	0.060	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Beryllium	**0.50**		0.23	0.045	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Cadmium	**0.30**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 21:57	1
Calcium	**46000**	**B**	11	3.0	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Chromium	**15**		0.56	0.065	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Cobalt	**9.1**		0.28	0.056	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Copper	**37**		0.56	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 19:43	1
Iron	**18000**	**B**	11	4.6	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Lead	**14**	**B**	0.28	0.084	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Magnesium	**29000**		5.6	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Manganese	**620**	**B**	0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Nickel	**22**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Potassium	**2200**		28	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Silver	**0.061**	**J B**	0.28	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Sodium	**1200**		56	7.5	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Thallium	**1.3**		0.56	0.24	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Vanadium	**20**		0.28	0.042	mg/Kg	☼	10/25/14 08:45	10/28/14 02:42	1
Zinc	**140**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 19:43	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		10/22/14 12:00	10/23/14 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:30	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	**33**	**B**	18	7.1	ug/Kg	☼	10/20/14 15:00	10/21/14 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.41**		0.200	0.200	SU			10/23/14 21:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-4
Matrix: Solid
Percent Solids: 86.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/17/14 13:42	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 13:42	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		10/17/14 13:42	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/17/14 13:42	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 13:42	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 13:42	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/17/14 13:42	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/17/14 13:42	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 13:42	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		10/17/14 13:42	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 13:42	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/17/14 13:42	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 13:42	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 13:42	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		10/17/14 13:42	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 13:42	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		10/17/14 13:42	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 13:42	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 13:42	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 13:42	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 13:42	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 13:42	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/17/14 13:42	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/17/14 13:42	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		10/17/14 13:42	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 13:42	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 13:42	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 13:42	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/17/14 13:42	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 13:42	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 13:42	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 13:42	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 13:42	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/17/14 13:42	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 13:42	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/17/14 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 122*		*10/17/14 13:42*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/17/14 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*10/17/14 13:42*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/17/14 13:42*	*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	☼	10/17/14 07:48	10/27/14 13:41	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-4
Matrix: Solid
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Anthracene	<38		38	6.3	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Carbazole	<190	*	190	98	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Chrysene	<38		38	10	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-4
Matrix: Solid
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Isophorone	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Phenol	<190		190	84	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1
Pyrene	<38		38	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*35 - 137*	*10/17/14 07:48*	*10/27/14 13:41*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*10/17/14 07:48*	*10/27/14 13:41*	*1*
2-Fluorophenol	*45*		*25 - 110*	*10/17/14 07:48*	*10/27/14 13:41*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*10/17/14 07:48*	*10/27/14 13:41*	*1*
Phenol-d5	*49*		*31 - 110*	*10/17/14 07:48*	*10/27/14 13:41*	*1*
Terphenyl-d14	*65*		*36 - 134*	*10/17/14 07:48*	*10/27/14 13:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:09	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Copper	**0.020**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:09	1
Manganese	**5.7**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Nickel	**0.037**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:09	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:09	1
Zinc	**0.068**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.068**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Barium	**0.58**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 07:14	1
Beryllium	**0.0072**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 07:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 07:14	1
Chromium	**0.19**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Cobalt	**0.053**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Copper	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Iron	**200**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 07:14	1
Lead	**0.11**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 07:14	1
Manganese	**1.1**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Nickel	**0.20**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 07:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:14	1
Zinc	0.59		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 07:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.1	0.44	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Arsenic	6.6		0.55	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Barium	47		0.55	0.058	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Beryllium	1.5		0.22	0.044	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Cadmium	0.29	B	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 22:02	1
Calcium	44000	B	11	3.0	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Chromium	15		0.55	0.063	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Cobalt	8.6		0.27	0.055	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Copper	23		0.57	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 19:49	1
Iron	19000	B	11	4.5	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Lead	68	B	0.27	0.081	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Magnesium	25000		5.5	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Manganese	570	B	0.55	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Nickel	26		0.55	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Potassium	2000		27	1.6	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Silver	0.076	J B	0.27	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Sodium	2100		55	7.3	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Thallium	1.3		0.55	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Vanadium	21		0.27	0.040	mg/Kg	☼	10/25/14 08:45	10/28/14 02:49	1
Zinc	210	B	1.1	0.23	mg/Kg	☼	10/29/14 09:45	10/29/14 19:49	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		10/22/14 12:00	10/23/14 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:48	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 B	18	7.0	ug/Kg	☼	10/20/14 15:00	10/21/14 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.36		0.200	0.200	SU			10/23/14 21:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514D
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-5
Matrix: Solid
Percent Solids: 86.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/17/14 14:05	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 14:05	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		10/17/14 14:05	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/17/14 14:05	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 14:05	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 14:05	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 14:05	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		10/17/14 14:05	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 14:05	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		10/17/14 14:05	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 14:05	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		10/17/14 14:05	1
cis-1,3-Dichloropropene	<5.8		5.8	0.75	ug/Kg	☼		10/17/14 14:05	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 14:05	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		10/17/14 14:05	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		10/17/14 14:05	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		10/17/14 14:05	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 14:05	1
1,3-Dichloropropene, Total	<5.8		5.8	0.75	ug/Kg	☼		10/17/14 14:05	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 14:05	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 14:05	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 14:05	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/17/14 14:05	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/17/14 14:05	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		10/17/14 14:05	1
Styrene	<5.8		5.8	0.75	ug/Kg	☼		10/17/14 14:05	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 14:05	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 14:05	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/17/14 14:05	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 14:05	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 14:05	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 14:05	1
1,1,2-Trichloroethane	<5.8		5.8	0.78	ug/Kg	☼		10/17/14 14:05	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/17/14 14:05	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 14:05	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/17/14 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*10/17/14 14:05*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/17/14 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*10/17/14 14:05*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/17/14 14:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514D
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-5
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2-Methylphenol	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
3-Nitroaniline	<370	*	370	110	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4-Nitroaniline	<370	*	370	150	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Carbazole	<190	*	190	96	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Chrysene	<37		37	10	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-6(0.5-1.5)-101514D
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-5
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Isophorone	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Phenol	<190		190	82	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1
Pyrene	<37		37	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*37*		*35 - 137*	*10/17/14 07:48*	*10/27/14 14:01*	*1*
2-Fluorobiphenyl	*46*		*25 - 119*	*10/17/14 07:48*	*10/27/14 14:01*	*1*
2-Fluorophenol	*36*		*25 - 110*	*10/17/14 07:48*	*10/27/14 14:01*	*1*
Nitrobenzene-d5	*32*		*25 - 115*	*10/17/14 07:48*	*10/27/14 14:01*	*1*
Phenol-d5	*44*		*31 - 110*	*10/17/14 07:48*	*10/27/14 14:01*	*1*
Terphenyl-d14	*64*		*36 - 134*	*10/17/14 07:48*	*10/27/14 14:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:14	1
Cadmium	**0.0036**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:14	1
Manganese	**5.6**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Nickel	**0.035**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:14	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:14	1
Zinc	**0.070**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.065**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Barium	**0.56**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 07:20	1
Beryllium	**0.0071**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 07:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 07:20	1
Chromium	**0.18**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Cobalt	**0.051**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Copper	**0.22**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Iron	**190**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 07:20	1
Lead	**0.099**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 07:20	1
Manganese	**0.96**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Nickel	**0.19**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 07:20	1

Client Sample ID: ROW-6(0.5-1.5)-101514D
Date Collected: 10/15/14 09:28
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:20	1
Zinc	**0.56**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 07:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Arsenic	**6.9**		0.57	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Barium	**43**		0.57	0.061	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Beryllium	**0.53**		0.23	0.045	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Cadmium	**0.32**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 22:07	1
Calcium	**50000**	**B**	11	3.1	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Chromium	**15**		0.57	0.066	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Cobalt	**8.0**		0.28	0.057	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Copper	**25**		0.54	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 19:56	1
Iron	**18000**	**B**	11	4.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Lead	**25**	**B**	0.28	0.084	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Magnesium	**31000**		5.7	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Manganese	**570**	**B**	0.57	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Nickel	**20**		0.57	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Potassium	**2000**		28	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Silver	**0.052**	**J B**	0.28	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Sodium	**1800**		57	7.6	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Thallium	**1.2**		0.57	0.24	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Vanadium	**21**		0.28	0.042	mg/Kg	☼	10/25/14 08:45	10/28/14 02:55	1
Zinc	**96**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 19:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 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		10/21/14 13:00	10/22/14 11:50	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	**12**	**J B**	18	6.9	ug/Kg	☼	10/20/14 15:00	10/21/14 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.33**		0.200	0.200	SU			10/23/14 21:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-5(0.5-1.5)-101514
Date Collected: 10/15/14 09:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-6
Matrix: Solid
Percent Solids: 80.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		10/17/14 14:28	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		10/17/14 14:28	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		10/17/14 14:28	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		10/17/14 14:28	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		10/17/14 14:28	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		10/17/14 14:28	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		10/17/14 14:28	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		10/17/14 14:28	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		10/17/14 14:28	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		10/17/14 14:28	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		10/17/14 14:28	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		10/17/14 14:28	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		10/17/14 14:28	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		10/17/14 14:28	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		10/17/14 14:28	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		10/17/14 14:28	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		10/17/14 14:28	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		10/17/14 14:28	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		10/17/14 14:28	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		10/17/14 14:28	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		10/17/14 14:28	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		10/17/14 14:28	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		10/17/14 14:28	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		10/17/14 14:28	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		10/17/14 14:28	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		10/17/14 14:28	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		10/17/14 14:28	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		10/17/14 14:28	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		10/17/14 14:28	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		10/17/14 14:28	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		10/17/14 14:28	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		10/17/14 14:28	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		10/17/14 14:28	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		10/17/14 14:28	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		10/17/14 14:28	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		10/17/14 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*10/17/14 14:28*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/17/14 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 134*		*10/17/14 14:28*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/17/14 14:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-5(0.5-1.5)-101514
Date Collected: 10/15/14 09:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-6
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
3-Nitroaniline	<390	*	390	120	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4-Nitroaniline	<390	*	390	170	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Anthracene	<39		39	6.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Carbazole	<200	*	200	100	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Chrysene	<39		39	11	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Fluorene	<39		39	5.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Hexachloroethane	<200		200	60	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-5(0.5-1.5)-101514
Date Collected: 10/15/14 09:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-6
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Isophorone	<200		200	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Naphthalene	<39		39	6.1	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Phenol	<200		200	88	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1
Pyrene	<39		39	7.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*36*		*35 - 137*	*10/17/14 07:48*	*10/27/14 14:22*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*10/17/14 07:48*	*10/27/14 14:22*	*1*
2-Fluorophenol	*46*		*25 - 110*	*10/17/14 07:48*	*10/27/14 14:22*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*10/17/14 07:48*	*10/27/14 14:22*	*1*
Phenol-d5	*51*		*31 - 110*	*10/17/14 07:48*	*10/27/14 14:22*	*1*
Terphenyl-d14	*70*		*36 - 134*	*10/17/14 07:48*	*10/27/14 14:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**	**J**	0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:30	1
Manganese	**0.47**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:30	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:30	1
Zinc	**0.023**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:30	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		10/20/14 09:30	10/29/14 07:26	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		10/20/14 09:30	10/29/14 07:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 07:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 07:26	1
Chromium	**0.038**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:26	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:26	1
Copper	**0.057**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:26	1
Iron	**50**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 07:26	1
Lead	**0.027**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 07:26	1
Manganese	**0.32**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:26	1
Nickel	**0.041**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 07:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-5(0.5-1.5)-101514
Date Collected: 10/15/14 09:40
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:26	1
Zinc	0.17		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 07:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.50	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Arsenic	5.9		0.62	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Barium	26		0.62	0.066	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Beryllium	0.33		0.25	0.049	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Cadmium	0.23	B	0.12	0.016	mg/Kg	☼	10/25/14 08:45	10/28/14 22:12	1
Calcium	110000	B	120	33	mg/Kg	☼	10/25/14 08:45	10/28/14 22:17	10
Chromium	10		0.62	0.071	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Cobalt	5.8		0.31	0.062	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Copper	18		0.57	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:02	1
Iron	16000	B	12	5.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Lead	8.7	B	0.31	0.092	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Magnesium	51000		6.2	1.3	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Manganese	610	B	0.62	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Nickel	14		0.62	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Potassium	1500		31	1.9	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Selenium	<0.62		0.62	0.22	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Silver	0.063	J B	0.31	0.022	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Sodium	1000		62	8.3	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Thallium	1.3		0.62	0.26	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Vanadium	20		0.31	0.046	mg/Kg	☼	10/25/14 08:45	10/28/14 03:01	1
Zinc	43	B	1.1	0.23	mg/Kg	☼	10/29/14 09:45	10/29/14 20:02	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		10/22/14 12:00	10/23/14 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32	B	19	7.4	ug/Kg	☼	10/20/14 15:00	10/21/14 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.200	0.200	SU			10/23/14 21:29	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		10/17/14 14:52	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		10/17/14 14:52	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/17/14 14:52	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		10/17/14 14:52	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		10/17/14 14:52	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		10/17/14 14:52	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		10/17/14 14:52	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		10/17/14 14:52	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		10/17/14 14:52	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		10/17/14 14:52	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		10/17/14 14:52	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 14:52	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/17/14 14:52	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		10/17/14 14:52	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/17/14 14:52	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		10/17/14 14:52	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		10/17/14 14:52	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 14:52	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		10/17/14 14:52	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		10/17/14 14:52	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		10/17/14 14:52	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		10/17/14 14:52	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		10/17/14 14:52	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 14:52	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		10/17/14 14:52	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		10/17/14 14:52	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		10/17/14 14:52	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		10/17/14 14:52	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		10/17/14 14:52	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		10/17/14 14:52	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		10/17/14 14:52	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/17/14 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/17/14 14:52*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/17/14 14:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*10/17/14 14:52*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/17/14 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[a]anthracene	**11**	**J**	38	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[a]pyrene	**12**	**J**	38	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[b]fluoranthene	**19**	**J**	38	8.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[g,h,i]perylene	**15**	**J**	38	12	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Carbazole	<190	*	190	98	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Chrysene	**15**	**J**	38	10	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Fluoranthene	**20**	**J**	38	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid
Percent Solids: 84.9

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	9.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Isophorone	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Phenanthrene	**7.8**	**J**	38	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Phenol	<190		190	85	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Pyrene	**22**	**J**	38	7.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*39*		*35 - 137*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
2-Fluorophenol	*42*		*25 - 110*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
Phenol-d5	*48*		*31 - 110*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
Terphenyl-d14	*63*		*36 - 134*	*10/17/14 07:48*	*10/27/14 14:42*	*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		10/22/14 08:30	10/22/14 21:35	1
Barium	**0.51**		0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:35	1
Cadmium	**0.0036**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:35	1
Manganese	**3.7**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Nickel	**0.036**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:35	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Zinc	**0.047**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:35	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		10/20/14 09:30	10/29/14 07:52	1
Barium	**0.94**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 07:52	1
Beryllium	**0.010**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 07:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 07:52	1
Chromium	**0.25**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Cobalt	**0.076**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Copper	**0.33**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Iron	**260**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 07:52	1
Lead	**0.26**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 07:52	1
Manganese	**1.3**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Nickel	**0.29**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 07:52	1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Zinc	**0.71**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 07:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Arsenic	**5.2**		0.59	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Barium	**62**		0.59	0.063	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Beryllium	**0.60**		0.23	0.047	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Cadmium	**0.29**	**B**	0.12	0.015	mg/Kg	☼	10/25/14 08:45	10/28/14 22:29	1
Calcium	**47000**	**B**	12	3.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Chromium	**18**		0.59	0.068	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Cobalt	**9.2**		0.29	0.059	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Copper	**24**		0.58	0.12	mg/Kg	☼	10/29/14 09:45	10/29/14 20:08	1
Iron	**17000**	**B**	12	4.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Lead	**21**	**B**	0.29	0.087	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Magnesium	**27000**		5.9	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Manganese	**410**	**B**	0.59	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Nickel	**24**		0.59	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Potassium	**3100**		29	1.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Silver	**0.037**	**J B**	0.29	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Sodium	**2000**		59	7.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Thallium	**0.82**		0.59	0.25	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Vanadium	**20**		0.29	0.043	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Zinc	**51**	**B**	1.2	0.24	mg/Kg	☼	10/29/14 09:45	10/29/14 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**	**B**	19	7.5	ug/Kg	☼	10/20/14 15:00	10/21/14 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			10/23/14 21:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-14(0.5-1.5)-101514
Date Collected: 10/15/14 10:20
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-8
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/17/14 15:15	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 15:15	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 15:15	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/17/14 15:15	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 15:15	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 15:15	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/17/14 15:15	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/17/14 15:15	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 15:15	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/17/14 15:15	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 15:15	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/17/14 15:15	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 15:15	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 15:15	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/17/14 15:15	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 15:15	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/17/14 15:15	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 15:15	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 15:15	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 15:15	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 15:15	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 15:15	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/17/14 15:15	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/17/14 15:15	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		10/17/14 15:15	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 15:15	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 15:15	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 15:15	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/17/14 15:15	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/17/14 15:15	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 15:15	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 15:15	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 15:15	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/17/14 15:15	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 15:15	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/17/14 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/17/14 15:15*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/17/14 15:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 134*		*10/17/14 15:15*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/17/14 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-14(0.5-1.5)-101514
Date Collected: 10/15/14 10:20
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-8
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2-Methylphenol	<180		180	59	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4-Nitroaniline	<360	*	360	150	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Anthracene	<36		36	6.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Benzo[a]anthracene	**10**	**J**	36	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Benzo[a]pyrene	**13**	**J**	36	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Benzo[b]fluoranthene	**22**	**J**	36	7.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Benzo[g,h,i]perylene	**16**	**J**	36	12	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Carbazole	<180	*	180	95	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Chrysene	**15**	**J**	36	10	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Dibenzofuran	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Fluoranthene	**25**	**J**	36	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Hexachloroethane	<180		180	56	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-14(0.5-1.5)-101514
Date Collected: 10/15/14 10:20
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-8
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	12	J	36	9.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Isophorone	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Phenanthrene	9.8	J	36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Phenol	<180		180	81	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1
Pyrene	25	J	36	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*10/17/14 07:48*	*10/27/14 15:02*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*10/17/14 07:48*	*10/27/14 15:02*	*1*
2-Fluorophenol	*51*		*25 - 110*	*10/17/14 07:48*	*10/27/14 15:02*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*10/17/14 07:48*	*10/27/14 15:02*	*1*
Phenol-d5	*57*		*31 - 110*	*10/17/14 07:48*	*10/27/14 15:02*	*1*
Terphenyl-d14	*74*		*36 - 134*	*10/17/14 07:48*	*10/27/14 15:02*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Barium	0.43	J	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:40	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Cobalt	0.020	J	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:40	1
Manganese	4.0		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Nickel	0.041		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:40	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:40	1
Zinc	0.039	J	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:40	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		10/20/14 09:30	10/29/14 07:58	1
Barium	0.54		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 07:58	1
Beryllium	0.0078		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 07:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 07:58	1
Chromium	0.21		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:58	1
Cobalt	0.060		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:58	1
Copper	0.30		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:58	1
Iron	240		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 07:58	1
Lead	0.12		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 07:58	1
Manganese	1.0		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:58	1
Nickel	0.23		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 07:58	1

Client Sample ID: ROW-14(0.5-1.5)-101514
Date Collected: 10/15/14 10:20
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:58	1
Zinc	**0.60**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 07:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Arsenic	**7.1**		0.54	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Barium	**50**		0.54	0.057	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Beryllium	**0.51**		0.21	0.043	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Cadmium	**0.24**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 22:34	1
Calcium	**51000**	**B**	11	2.9	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Chromium	**16**		0.54	0.062	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Cobalt	**9.0**		0.27	0.054	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Copper	**21**		0.56	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:14	1
Iron	**20000**	**B**	11	4.4	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Lead	**11**	**B**	0.27	0.080	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Magnesium	**28000**		5.4	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Manganese	**470**	**B**	0.54	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Nickel	**21**		0.54	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Potassium	**2300**		27	1.6	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Selenium	<0.54	L	0.54	0.19	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Silver	**0.034**	**J B**	0.27	0.019	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Sodium	**2400**		54	7.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Thallium	**0.91**		0.54	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Vanadium	**20**		0.27	0.040	mg/Kg	☼	10/25/14 08:45	10/28/14 03:14	1
Zinc	**43**	**B**	1.1	0.23	mg/Kg	☼	10/29/14 09:45	10/29/14 20:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**	**B**	19	7.3	ug/Kg	☼	10/20/14 15:00	10/21/14 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.15**		0.200	0.200	SU			10/23/14 21:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-15(0.5-1.5)-101514
Date Collected: 10/15/14 11:00
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-9
Matrix: Solid
Percent Solids: 89.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		10/17/14 15:38	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		10/17/14 15:38	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg	☼		10/17/14 15:38	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		10/17/14 15:38	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		10/17/14 15:38	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		10/17/14 15:38	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		10/17/14 15:38	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		10/17/14 15:38	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		10/17/14 15:38	1
Chloroform	<5.6		5.6	0.65	ug/Kg	☼		10/17/14 15:38	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		10/17/14 15:38	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		10/17/14 15:38	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg	☼		10/17/14 15:38	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg	☼		10/17/14 15:38	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		10/17/14 15:38	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		10/17/14 15:38	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		10/17/14 15:38	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		10/17/14 15:38	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg	☼		10/17/14 15:38	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		10/17/14 15:38	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		10/17/14 15:38	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		10/17/14 15:38	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		10/17/14 15:38	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		10/17/14 15:38	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		10/17/14 15:38	1
Styrene	<5.6		5.6	0.74	ug/Kg	☼		10/17/14 15:38	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		10/17/14 15:38	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		10/17/14 15:38	1
Toluene	<5.6		5.6	0.79	ug/Kg	☼		10/17/14 15:38	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		10/17/14 15:38	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		10/17/14 15:38	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		10/17/14 15:38	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg	☼		10/17/14 15:38	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg	☼		10/17/14 15:38	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		10/17/14 15:38	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		10/17/14 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/17/14 15:38*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/17/14 15:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*10/17/14 15:38*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/17/14 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-15(0.5-1.5)-101514
Date Collected: 10/15/14 11:00
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-9
Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2-Methylphenol	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4-Nitroaniline	<360	*	360	150	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Anthracene	<36		36	6.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Carbazole	<180	*	180	94	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Chrysene	<36		36	9.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Hexachloroethane	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-15(0.5-1.5)-101514
Date Collected: 10/15/14 11:00
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-9
Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Isophorone	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Phenol	<180		180	81	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1
Pyrene	<36		36	7.2	ug/Kg	☼	10/17/14 07:48	10/27/14 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*35 - 137*	*10/17/14 07:48*	*10/27/14 15:23*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*10/17/14 07:48*	*10/27/14 15:23*	*1*
2-Fluorophenol	*51*		*25 - 110*	*10/17/14 07:48*	*10/27/14 15:23*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*10/17/14 07:48*	*10/27/14 15:23*	*1*
Phenol-d5	*57*		*31 - 110*	*10/17/14 07:48*	*10/27/14 15:23*	*1*
Terphenyl-d14	*77*		*36 - 134*	*10/17/14 07:48*	*10/27/14 15:23*	*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		10/22/14 08:30	10/22/14 21:46	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:46	1
Cadmium	**0.0034**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:46	1
Cobalt	**0.028**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:46	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:46	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:46	1
Manganese	**4.4**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:46	1
Nickel	**0.046**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:46	1
Selenium	**0.021**	**J**	0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:46	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:46	1
Zinc	**0.020**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.073**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Barium	**0.59**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:04	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:04	1
Chromium	**0.18**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Cobalt	**0.050**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Copper	**0.24**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Iron	**190**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:04	1
Lead	**0.067**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:04	1
Manganese	**0.82**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Nickel	**0.19**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:04	1

Client Sample ID: ROW-15(0.5-1.5)-101514
Date Collected: 10/15/14 11:00
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:04	1
Zinc	**0.53**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Arsenic	**4.0**		0.55	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Barium	**43**		0.55	0.059	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Beryllium	**0.45**		0.22	0.044	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Cadmium	**0.21**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 22:39	1
Calcium	**100000**	**B**	110	30	mg/Kg	☼	10/25/14 08:45	10/28/14 22:44	10
Chromium	**14**		0.55	0.064	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Cobalt	**5.9**		0.27	0.055	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Copper	**19**		0.56	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:21	1
Iron	**13000**	**B**	11	4.5	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Lead	**7.7**	**B**	0.27	0.082	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Magnesium	**39000**		5.5	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Manganese	**390**	**B**	0.55	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Nickel	**15**		0.55	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Potassium	**2500**		27	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Silver	**0.044**	**J B**	0.27	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Sodium	**1700**		55	7.4	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Thallium	**0.89**		0.55	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Vanadium	**16**		0.27	0.041	mg/Kg	☼	10/25/14 08:45	10/28/14 03:20	1
Zinc	**37**	**B**	1.1	0.23	mg/Kg	☼	10/29/14 09:45	10/29/14 20:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**	**B**	16	6.4	ug/Kg	☼	10/20/14 15:00	10/21/14 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.56**		0.200	0.200	SU			10/23/14 21:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid
Percent Solids: 87.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		10/17/14 16:01	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		10/17/14 16:01	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		10/17/14 16:01	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		10/17/14 16:01	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		10/17/14 16:01	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		10/17/14 16:01	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 16:01	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		10/17/14 16:01	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		10/17/14 16:01	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		10/17/14 16:01	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		10/17/14 16:01	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		10/17/14 16:01	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 16:01	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		10/17/14 16:01	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		10/17/14 16:01	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		10/17/14 16:01	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		10/17/14 16:01	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		10/17/14 16:01	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		10/17/14 16:01	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 16:01	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		10/17/14 16:01	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 16:01	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		10/17/14 16:01	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		10/17/14 16:01	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		10/17/14 16:01	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		10/17/14 16:01	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		10/17/14 16:01	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 16:01	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		10/17/14 16:01	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		10/17/14 16:01	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		10/17/14 16:01	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		10/17/14 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/17/14 16:01*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/17/14 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*10/17/14 16:01*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/17/14 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Methylphenol	<180		180	59	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Nitroaniline	<360	*	360	150	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Anthracene	<36		36	6.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[a]anthracene	**24**	**J**	36	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[a]pyrene	**21**	**J**	36	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[b]fluoranthene	**35**	**J**	36	7.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[g,h,i]perylene	**21**	**J**	36	12	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[k]fluoranthene	**13**	**J**	36	11	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Carbazole	<180	*	180	94	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Chrysene	**27**	**J**	36	10	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Dibenzofuran	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Fluoranthene	**47**		36	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachloroethane	<180		180	56	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**14**	**J**	36	9.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Isophorone	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Phenanthrene	**21**	**J**	36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Phenol	<180		180	81	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Pyrene	**50**		36	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*38*		*35 - 137*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
2-Fluorobiphenyl	*46*		*25 - 119*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
2-Fluorophenol	*41*		*25 - 110*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
Phenol-d5	*47*		*31 - 110*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
Terphenyl-d14	*60*		*36 - 134*	*10/17/14 07:48*	*10/27/14 15:43*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:51	1
Cadmium	**0.0065**		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:51	1
Manganese	**5.2**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Nickel	**0.040**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:51	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Zinc	**0.033**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.092**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Barium	**0.57**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:11	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:11	1
Chromium	**0.21**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Cobalt	**0.060**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Copper	**0.30**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Iron	**230**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:11	1
Lead	**0.35**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:11	1
Manganese	**1.2**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Nickel	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:11	1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Zinc	**0.72**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Arsenic	**6.8**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Barium	**44**		0.56	0.060	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Beryllium	**0.48**		0.22	0.044	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Cadmium	**0.37**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 22:48	1
Calcium	**44000**	**B**	11	3.0	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Chromium	**15**		0.56	0.065	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Cobalt	**7.8**		0.28	0.056	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Copper	**29**		0.54	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:27	1
Iron	**18000**	**B**	11	4.6	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Lead	**43**	**B**	0.28	0.083	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Magnesium	**27000**		5.6	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Manganese	**510**	**B**	0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Nickel	**20**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Potassium	**2100**		28	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Silver	**0.041**	**J B**	0.28	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Sodium	**1300**		56	7.5	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Thallium	**1.1**		0.56	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Vanadium	**20**		0.28	0.041	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Zinc	**62**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 20:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:51	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	**29**	**B**	18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.74**		0.200	0.200	SU			10/23/14 21:56	1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/17/14 16:24	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 16:24	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 16:24	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/17/14 16:24	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		10/17/14 16:24	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 16:24	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/17/14 16:24	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/17/14 16:24	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 16:24	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/17/14 16:24	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/17/14 16:24	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 16:24	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 16:24	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/17/14 16:24	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 16:24	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/17/14 16:24	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 16:24	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 16:24	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 16:24	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 16:24	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/17/14 16:24	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/17/14 16:24	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		10/17/14 16:24	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 16:24	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		10/17/14 16:24	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/17/14 16:24	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/17/14 16:24	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 16:24	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 16:24	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 16:24	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		10/17/14 16:24	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/17/14 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*10/17/14 16:24*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/17/14 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 134*		*10/17/14 16:24*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/17/14 16:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Carbazole	<190	*	190	97	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Chrysene	<37		37	10	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Isophorone	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Phenol	<190		190	84	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Pyrene	**8.2**	**J**	37	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*35*		*35 - 137*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
2-Fluorophenol	*54*		*25 - 110*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
Phenol-d5	*60*		*31 - 110*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
Terphenyl-d14	*77*		*36 - 134*	*10/17/14 07:48*	*10/27/14 16:04*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:56	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Cobalt	**0.026**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:56	1
Manganese	**4.1**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Nickel	**0.036**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:56	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.079**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Barium	**0.60**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:32	1
Beryllium	**0.0081**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:32	1
Chromium	**0.21**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Cobalt	**0.061**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Copper	**0.29**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Iron	**210**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:32	1
Lead	**0.12**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:32	1
Manganese	**1.1**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Nickel	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Zinc	**0.57**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Arsenic	**5.6**		0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Barium	**39**		0.58	0.062	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Beryllium	**0.50**		0.23	0.046	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Cadmium	**0.33**	**B**	0.12	0.015	mg/Kg	☼	10/25/14 08:45	10/28/14 22:53	1
Calcium	**85000**	**B**	120	31	mg/Kg	☼	10/25/14 08:45	10/28/14 22:58	10
Chromium	**15**		0.58	0.067	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Cobalt	**8.2**		0.29	0.058	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Copper	**23**		0.55	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:33	1
Iron	**16000**	**B**	12	4.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Lead	**12**	**B**	0.29	0.086	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Magnesium	**34000**		5.8	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Manganese	**480**	**B**	0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Nickel	**20**		0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Potassium	**2700**		29	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Silver	**0.041**	**J B**	0.29	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Sodium	**1000**		58	7.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Thallium	**0.93**		0.58	0.24	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Zinc	**40**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 20:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:53	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	**36**	**B**	17	6.7	ug/Kg	☼	10/20/14 15:00	10/21/14 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.82**		0.200	0.200	SU			10/23/14 22:09	1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid
Percent Solids: 86.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/20/14 11:26	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/20/14 11:26	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		10/20/14 11:26	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/20/14 11:26	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/20/14 11:26	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/20/14 11:26	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		10/20/14 11:26	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		10/20/14 11:26	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/20/14 11:26	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		10/20/14 11:26	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		10/20/14 11:26	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/20/14 11:26	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/20/14 11:26	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		10/20/14 11:26	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		10/20/14 11:26	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		10/20/14 11:26	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		10/20/14 11:26	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/20/14 11:26	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/20/14 11:26	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/20/14 11:26	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/20/14 11:26	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/20/14 11:26	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		10/20/14 11:26	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/20/14 11:26	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/20/14 11:26	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/20/14 11:26	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		10/20/14 11:26	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/20/14 11:26	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/20/14 11:26	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/20/14 11:26	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/20/14 11:26	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/20/14 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/20/14 11:26*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/20/14 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*10/20/14 11:26*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/20/14 11:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[a]anthracene	**27**	**J**	37	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[a]pyrene	**61**		37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[b]fluoranthene	**75**		37	8.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[g,h,i]perylene	**64**		37	12	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[k]fluoranthene	**27**	**J**	37	11	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Carbazole	<190	*	190	97	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Chrysene	**50**		37	10	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Dibenz(a,h)anthracene	**13**	**J**	37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Fluoranthene	**42**		37	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	44		37	9.7	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Isophorone	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Phenanthrene	15	J	37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Phenol	<190		190	83	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Pyrene	86		37	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*39*		*35 - 137*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
2-Fluorophenol	*44*		*25 - 110*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
Phenol-d5	*51*		*31 - 110*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
Terphenyl-d14	*74*		*36 - 134*	*10/17/14 07:48*	*10/27/14 16:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Barium	0.24	J	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 22:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 22:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 22:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Copper	0.035		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 22:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 22:01	1
Manganese	0.18		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 22:01	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Zinc	0.072	J	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Barium	0.096	J	0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:38	1
Chromium	0.018	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Copper	0.014	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Iron	12		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:38	1
Lead	0.020		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:38	1
Manganese	0.071		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Nickel	0.014	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:38	1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Zinc	**0.096**	**J**	0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Arsenic	**6.4**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Barium	**40**		0.56	0.059	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Beryllium	**0.34**		0.22	0.044	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Cadmium	**0.31**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 23:02	1
Calcium	**47000**	**B**	11	3.0	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Chromium	**12**		0.56	0.064	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Cobalt	**5.2**		0.28	0.056	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Copper	**14**		0.53	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:39	1
Iron	**15000**	**B**	11	4.6	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Lead	**30**	**B**	0.28	0.083	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Magnesium	**29000**		5.6	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Manganese	**350**	**B**	0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Nickel	**13**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Potassium	**1300**		28	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Silver	**0.032**	**J B**	0.28	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Sodium	**470**		56	7.4	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Thallium	**0.86**		0.56	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Vanadium	**18**		0.28	0.041	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Zinc	**44**	**B**	1.1	0.21	mg/Kg	☼	10/29/14 09:45	10/29/14 20:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**45**	**B**	18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			10/23/14 23:21	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	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.
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
L	A negative instrument reading had an absolute value greater than the reporting limit

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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

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 ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-86119 COC

Chain of Custody Record

Lab Job #: 500-86119

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.7

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

(optional)

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

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		ROW-2(0.5-1.5)-101514	10/15/14	0840	2	S	X	X	X	X	X	
2		ROW-3(0.5-1.5)-101514		0855	2	S	X	X	X	X	X	
3		ROW-4(0.5-1.5)-101514		0910	2	S	X	X	X	X	X	
4		ROW-6(0.5-1.5)-101514		0928	2	S	X	X	X	X	X	
5		ROW-6(0.5-1.5)-101514D		0928	2	S	X	X	X	X	X	
6		ROW-5(0.5-1.5)-101514		0940	2	S	X	X	X	X	X	
7		ROW-13(0.5-1.5)-101514		1010	2	S	X	X	X	X	X	
8		ROW-14(0.5-1.5)-101514		1020	2	S	X	X	X	X	X	
9		ROW-15(0.5-1.5)-101514		1100	2	S	X	X	X	X	X	
10		ROW-16(0.5-1.5)-101514		1115	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Strow	10/15/14	Weston	1400		TA	10/15/14	1400
	TA	10/15/14	1540	J. Neal	TA	10/15/14	1540
J. Neal	TA	10/15/14	1650	Sherri Scott	TA-CHI	10/16/14	0615

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-86119
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Straw
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		ROW-20 (0.5-1.5) -101514	10/15/14	1138	2	S		X	X	X	X	X	
12		ROW-21 (0.5-1.5) -101514	10/15/14	1205	2	S		X	X	X	X	X	

Matrix 10/15/14

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/15/14	1400		TA	10/15/14	1400
	TA	10/15/14	1540	P. Neal	TA	10/15/14	1540
P. Neal	TA	10/15/14	1650		TA-CHI	10/16/14	0615

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94 Office Phone Number, if available: _____

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

41500- 42300 blocks of N. US 41

City: Wadsworth State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.471249006 (Decimal Degrees) Longitude: -87.946796669 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94

Latitude: 42.471249006 Longitude: -87.946796669

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS ROW-7, ROW-8, ROW-12, ROW-13, ROW-16, AND ROW-18 THROUGH ROW-21 WERE SAMPLED ADJACENT TO ISGS SITE No. 2835-2. SEE FIGURES 3-3/3-4 AND TABLE 4-1 OF THE REVISED 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: 500-86029-1 AND 500-86119-1

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

I, Kurt T. Fischer P.G. (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/14/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 2835-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-7(0-1.5)-101414	ROW-7(0-1.5)-101414D	ROW-8(0-1.5)-101414	ROW-12(0-1.5)-101414	Soil Reference Concentrations[A]
Sample Date	10/14/2014	10/14/2014	10/14/2014	10/14/2014	
Location ID	ROW-7	ROW-7	ROW-8	ROW-12	
Depth	0 - 1.5	0 - 1.5	0 - 1.5	0 - 1.5	
ISGS Site Number	2835-1	2835-1	2835-1	2835-1	
Parameter					
Laboratory pH (standard units)	8.46	8.43	8.28	8.69	<6.25, >9.0
VOCs (ug/kg)	**None Detected**				
SVOCs (ug/kg)					
Benzo(a)pyrene	ND	ND	37 J	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	6.3 J-	6.6 J-	5.3 J-	6.7 J-	11.3/13.0
Barium, Total	36 J-	39 J-	48 J-	54 J-	1500
Beryllium, Total	0.56 J-	0.51 J-	0.72 J-	0.64 J-	22
Cadmium, Total	0.26 J	0.26 J	0.25 J	0.29 J	5.2
Chromium, Total	14 J-	13 J-	18 J-	17 J-	21
Cobalt, Total	10 J	9.7 J	12 J	12 J	20
Copper, Total	20 J	22 J	28 J	23 J	2900
Iron, Total	16000 J	15000 J	17000 J	18000 J	15000/15900
Lead, Total	17 J+	12 J+	26 J+	63 J+	107
Manganese, Total	470 J	400 J	420 J	540 J	630/636
Mercury, Total	0.029 J	0.014 J	0.046 J	0.043 J	0.89
Nickel, Total	25	24	30	19	100
Potassium, Total	1800 J	1900 J	2400 J	800 J	---
Sodium, Total	1400 J-	1200 J-	1300 J-	1900 J-	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	19 J-	19 J-	20 J-	22 J-	550
Zinc, Total	60 J	53 J	63 J	77 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.31 J	0.28 J	0.3 J	0.28 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0022 J	ND	ND	0.005
Cobalt, TCLP	ND	0.018 J	ND	ND	1
Copper, TCLP	0.015 J	ND	0.043	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	0.01	ND	0.0075
Manganese, TCLP	0.39 J	3.9 J	0.26	0.35	0.15
Mercury, SPLP	0.00029	ND	ND	0.00035	0.002
Nickel, TCLP	ND	0.033	ND	ND	0.1
Zinc, TCLP	0.028 J	0.032 J	0.064 J	0.048 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.083	0.035 J	0.04 J	0.063	0.05
Barium, SPLP	0.57	0.31 J	0.4 J	0.45 J	2
Beryllium, SPLP	0.0068	ND	0.0047	0.0062	0.004
Cadmium, SPLP	ND	ND	ND	0.0024 J	0.005
Chromium, SPLP	0.18 J	0.087 J	0.12	0.16	0.1
Cobalt, SPLP	0.059 J	0.028 J	0.037	0.042	1
Copper, SPLP	0.27 J	0.12 J	0.18	0.26	0.65
Iron, SPLP	200 J	88 J	110	170	5
Lead, SPLP	0.089 J	0.04 J	0.073	0.2	0.0075
Manganese, SPLP	1.1 J	0.61 J	0.64	1.1	0.15
Nickel, SPLP	0.21 J	0.092 J	0.13	0.16	0.1
Zinc, SPLP	0.61 J	0.3 J	0.35	0.63	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

Summary Table of ISGS Site No. 2835-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-13(0.5-1.5)-101514	ROW-16(0.5-1.5)-101514	ROW-18(0-5)-101414	ROW-19(0-5)-101414	Soil Reference Concentrations[A]
Sample Date	10/15/2014	10/15/2014	10/14/2014	10/14/2014	
Location ID	ROW-13	ROW-16	ROW-18	ROW-19	
Depth	0.5 - 1.5	0.5 - 1.5	0 - 5	0 - 5	
ISGS Site Number	2835-1	2835-1	2835-1	2835-1	
Parameter					
Laboratory pH (standard units)	8.13	8.74	8.43	8.45	<6.25, >9.0
VOCs (ug/kg)					
SVOCs (ug/kg)					
Benzo(a)pyrene	12 J	21 J	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	5.2	6.8	7.2 J-	6.3 J-	11.3/13.0
Barium, Total	62	44	42 J-	24 J-	1500
Beryllium, Total	0.6	0.48	0.55 J-	0.44 J-	22
Cadmium, Total	ND	0.37 B	0.31 J	0.26 J	5.2
Chromium, Total	18	15	12 J-	11 J-	21
Cobalt, Total	9.2	7.8	10 J	8.1 J	20
Copper, Total	24	29	22 J	19 J	2900
Iron, Total	17000 B	18000 B	17000 J	15000 J	15000/15900
Lead, Total	21 B	43 B	31 J+	15 J+	107
Manganese, Total	410 B	510 B	460 J	560 J	630/636
Mercury, Total	ND	ND	0.019 J	0.03 J	0.89
Nickel, Total	24	20	23	20	100
Potassium, Total	3100	2100	1100 J	1200 J	---
Sodium, Total	2000	1300	860 J-	670 J-	---
Thallium, Total	0.82	1.1	ND	ND	2.6
Vanadium, Total	20	20	19 J-	15 J-	550
Zinc, Total	51 B	62 B	77 J	64 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.51	0.23 J	0.41 J	0.21 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0036 J	0.0065	0.0023 J	0.002 J	0.005
Cobalt, TCLP	0.012 J	ND	0.087	0.077	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	0.21	5
Lead, TCLP	ND	ND	0.0075	ND	0.0075
Manganese, TCLP	3.7	5.2	13	12	0.15
Mercury, SPLP	ND	0.00028 J+	ND	ND	0.002
Nickel, TCLP	0.036	0.04	0.045	0.067	0.1
Zinc, TCLP	0.047 J	0.033 J	0.086 J	0.039 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.091	0.092	0.024 J	0.05	0.05
Barium, SPLP	0.94	0.57	0.2 J	0.24 J	2
Beryllium, SPLP	0.01	0.008	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.25	0.21	0.055	0.096	0.1
Cobalt, SPLP	0.076	0.06	0.018 J	0.037	1
Copper, SPLP	0.33	0.3	0.083	0.15	0.65
Iron, SPLP	260 J+	230 J+	61	120	5
Lead, SPLP	0.26	0.35	0.052	0.066	0.0075
Manganese, SPLP	1.3	1.2	0.73	1.1	0.15
Nickel, SPLP	0.29	0.23	0.062	0.13	0.1
Zinc, SPLP	0.71	0.72	0.26	0.43	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

Summary Table of ISGS Site No. 2835-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	ROW-20(0.5-1.5)-101514	ROW-21(0.5-1.5)-101514	**Soil Reference Concentrations[A]**
Sample Date	10/15/2014	10/15/2014	
Location ID	ROW-20	ROW-21	
Depth	0.5 - 1.5	0.5 - 1.5	
ISGS Site Number	2835-1	2835-1	
Parameter			
Laboratory pH (standard units)	8.82	8.13	<6.25, >9.0
VOCs (ug/kg)			
SVOCs (ug/kg)			
Benzo(a)pyrene	ND	61	90 / 1300 / 2100
Total Metals (mg/kg)			
Arsenic, Total	5.6	6.4	11.3/13.0
Barium, Total	39	40	1500
Beryllium, Total	0.5	0.34	22
Cadmium, Total	ND	ND	5.2
Chromium, Total	15	12	21
Cobalt, Total	8.2	5.2	20
Copper, Total	23	14	2900
Iron, Total	16000 B	15000 B	15000/15900
Lead, Total	12 B	30 B	107
Manganese, Total	480 B	350 B	630/636
Mercury, Total	ND	ND	0.89
Nickel, Total	20	13	100
Potassium, Total	2700	1300	---
Sodium, Total	1000	470	---
Thallium, Total	0.93	0.86	2.6
Vanadium, Total	19	18	550
Zinc, Total	40 B	44 B	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	0.012 J	0.05
Barium, TCLP	0.25 J	0.24 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	0.003 J	ND	0.005
Cobalt, TCLP	0.026	ND	1
Copper, TCLP	ND	0.035	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	4.1	0.18	0.15
Mercury, SPLP	0.00027 J+	ND	0.002
Nickel, TCLP	0.036	ND	0.1
Zinc, TCLP	0.037 J	0.072 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.079	ND	0.05
Barium, SPLP	0.6	0.096 J	2
Beryllium, SPLP	0.0081	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.21	0.018 J	0.1
Cobalt, SPLP	0.061	ND	1
Copper, SPLP	0.29	0.014 J	0.65
Iron, SPLP	210 J+	12 J+	5
Lead, SPLP	0.12	0.02	0.0075
Manganese, SPLP	1.1	0.071	0.15
Nickel, SPLP	0.23	0.014 J	0.1
Zinc, SPLP	0.57	0.096 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86029-1

Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

For:

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 12:37:05 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid
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	☼		10/16/14 04:09	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:09	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:09	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/16/14 04:09	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		10/16/14 04:09	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 04:09	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:09	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		10/16/14 04:09	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		10/16/14 04:09	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		10/16/14 04:09	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 04:09	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		10/16/14 04:09	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:09	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:09	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		10/16/14 04:09	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		10/16/14 04:09	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		10/16/14 04:09	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		10/16/14 04:09	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:09	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 04:09	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		10/16/14 04:09	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:09	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/16/14 04:09	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:09	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:09	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:09	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 04:09	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		10/16/14 04:09	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		10/16/14 04:09	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:09	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:09	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 04:09	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:09	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:09	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 04:09	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/16/14 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*10/16/14 04:09*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/16/14 04:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*10/16/14 04:09*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*10/16/14 04:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid
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	☼	10/16/14 07:24	10/27/14 15:55	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Anthracene	<39		39	6.6	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[a]anthracene	**19**	**J**	39	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[b]fluoranthene	**48**		39	8.5	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[g,h,i]perylene	**40**		39	13	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Benzo[k]fluoranthene	**22**	**J**	39	12	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Carbazole	<200		200	100	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Chrysene	**27**	**J**	39	11	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Fluoranthene	**36**	**J**	39	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Fluorene	<39		39	5.6	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Hexachloroethane	<200		200	60	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid
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	26	J	39	10	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Isophorone	<200		200	44	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Naphthalene	<39		39	6.1	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Phenanthrene	12	J	39	5.5	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Phenol	<200		200	88	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1
Pyrene	36	J	39	7.9	ug/Kg	☼	10/16/14 07:24	10/27/14 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
Phenol-d5	*45*		*31 - 110*	*10/16/14 07:24*	*10/27/14 15:55*	*1*
Terphenyl-d14	*74*		*36 - 134*	*10/16/14 07:24*	*10/27/14 15:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Barium	0.28	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:11	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:11	1
Manganese	0.35		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:11	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:11	1
Zinc	0.048	J	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Barium	0.45	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 18:32	1
Beryllium	0.0062		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 18:32	1
Cadmium	0.0024	J ^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 18:32	1
Chromium	0.16		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Cobalt	0.042		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Copper	0.26		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Iron	170		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 18:32	1
Lead	0.20		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 18:32	1
Manganese	1.1		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Nickel	0.16		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 18:32	1

Client Sample ID: ROW-12(0-1.5)-101414
Date Collected: 10/14/14 11:40
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:32	1
Zinc	**0.63**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 18:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Arsenic	**6.7**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Barium	**54**		0.56	0.060	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Beryllium	**0.64**		0.22	0.045	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Cadmium	**0.29**		0.11	0.014	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Calcium	**11000**		11	3.0	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Chromium	**17**		0.56	0.065	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Cobalt	**12**		0.28	0.056	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Copper	**23**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Iron	**18000**		11	4.6	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Lead	**63**		0.28	0.083	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Magnesium	**8000**		5.6	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Manganese	**540**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Nickel	**19**		0.56	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Potassium	**800**		28	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Selenium	**0.41**	**J B**	0.56	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Sodium	**1900**		56	7.5	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Thallium	<0.56		0.56	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Vanadium	**22**		0.28	0.041	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1
Zinc	**77**	**B**	1.1	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 02:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**		0.20	0.20	ug/L		10/24/14 13:30	10/27/14 08:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43**		20	7.9	ug/Kg	☼	10/20/14 15:00	10/21/14 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.69**		0.200	0.200	SU			10/23/14 23:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		10/16/14 05:44	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 05:44	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 05:44	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/16/14 05:44	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/16/14 05:44	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 05:44	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 05:44	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		10/16/14 05:44	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 05:44	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/16/14 05:44	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 05:44	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		10/16/14 05:44	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 05:44	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 05:44	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		10/16/14 05:44	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 05:44	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		10/16/14 05:44	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		10/16/14 05:44	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 05:44	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 05:44	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/16/14 05:44	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 05:44	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/16/14 05:44	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 05:44	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		10/16/14 05:44	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 05:44	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 05:44	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		10/16/14 05:44	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		10/16/14 05:44	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 05:44	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 05:44	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 05:44	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 05:44	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		10/16/14 05:44	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 05:44	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		10/16/14 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/16/14 05:44*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/14 05:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*10/16/14 05:44*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 05:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Anthracene	<38		38	6.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[a]anthracene	**29**	**J**	38	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[a]pyrene	**37**	**J**	38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[b]fluoranthene	**57**		38	8.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[g,h,i]perylene	**38**		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Benzo[k]fluoranthene	**19**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Bis(2-ethylhexyl) phthalate	**87**	**J**	190	71	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Carbazole	<190		190	100	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Chrysene	**32**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Dibenz(a,h)anthracene	**12**	**J**	38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Fluoranthene	**65**		38	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	24	J	38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Isophorone	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Phenanthrene	22	J	38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Phenol	<190		190	86	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1
Pyrene	50		38	7.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*35 - 137*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
2-Fluorobiphenyl	*48*		*25 - 119*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
2-Fluorophenol	*39*		*25 - 110*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
Phenol-d5	*41*		*31 - 110*	*10/16/14 07:24*	*10/27/14 11:51*	*1*
Terphenyl-d14	*60*		*36 - 134*	*10/16/14 07:24*	*10/27/14 11:51*	*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		10/22/14 08:30	10/28/14 22:37	1
Barium	0.30	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:37	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Copper	0.043		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:37	1
Lead	0.010		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:37	1
Manganese	0.26		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:37	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:37	1
Zinc	0.064	J	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.040	J	0.050	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Barium	0.40	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 18:58	1
Beryllium	0.0047		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 18:58	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 18:58	1
Chromium	0.12		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Cobalt	0.037		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Copper	0.18		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Iron	110		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 18:58	1
Lead	0.073		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 18:58	1
Manganese	0.64		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Nickel	0.13		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 18:58	1

Client Sample ID: ROW-8(0-1.5)-101414
Date Collected: 10/14/14 12:30
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:58	1
Zinc	**0.35**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 18:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Arsenic	**5.3**		0.58	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Barium	**48**		0.58	0.062	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Beryllium	**0.72**		0.23	0.046	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Cadmium	**0.25**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Calcium	**67000**		120	31	mg/Kg	☼	10/24/14 09:45	10/30/14 04:46	10
Chromium	**18**		0.58	0.067	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Cobalt	**12**		0.29	0.058	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Copper	**28**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Iron	**17000**		12	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Lead	**26**		0.29	0.086	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Magnesium	**29000**		5.8	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Manganese	**420**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Nickel	**30**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Potassium	**2400**		29	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Sodium	**1300**		58	7.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Vanadium	**20**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1
Zinc	**63**	**B**	1.2	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 03:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:11	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		10/21/14 13:00	10/22/14 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**46**		18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.28**		0.200	0.200	SU			10/24/14 00:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		10/16/14 06:31	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 06:31	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 06:31	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/16/14 06:31	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/16/14 06:31	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 06:31	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 06:31	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		10/16/14 06:31	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 06:31	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/16/14 06:31	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 06:31	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		10/16/14 06:31	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 06:31	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 06:31	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		10/16/14 06:31	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		10/16/14 06:31	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		10/16/14 06:31	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		10/16/14 06:31	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 06:31	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 06:31	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/16/14 06:31	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 06:31	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/16/14 06:31	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 06:31	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		10/16/14 06:31	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		10/16/14 06:31	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 06:31	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		10/16/14 06:31	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		10/16/14 06:31	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 06:31	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 06:31	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 06:31	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		10/16/14 06:31	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		10/16/14 06:31	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 06:31	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		10/16/14 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*10/16/14 06:31*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*10/16/14 06:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*10/16/14 06:31*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/16/14 06:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Carbazole	<190		190	96	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Chrysene	<37		37	10	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid
Percent Solids: 83.9

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	<37		37	9.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Isophorone	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Phenol	<190		190	83	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1
Pyrene	<37		37	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
2-Fluorophenol	*41*		*25 - 110*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
Phenol-d5	*37*		*31 - 110*	*10/16/14 07:24*	*10/27/14 10:24*	*1*
Terphenyl-d14	*62*		*36 - 134*	*10/16/14 07:24*	*10/27/14 10:24*	*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		10/22/14 08:30	10/28/14 22:49	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:49	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:49	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:49	1
Manganese	**0.39**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:49	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:49	1
Zinc	**0.028**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.083**		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Barium	**0.57**		0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:26	1
Beryllium	**0.0068**		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:26	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:26	1
Chromium	**0.18**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Cobalt	**0.059**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Copper	**0.27**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Iron	**200**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:26	1
Lead	**0.089**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:26	1
Manganese	**1.1**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Nickel	**0.21**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:26	1

Client Sample ID: ROW-7(0-1.5)-101414
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:26	1
Zinc	**0.61**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Arsenic	**6.3**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Barium	**36**		0.59	0.063	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Beryllium	**0.56**		0.24	0.047	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Cadmium	**0.26**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Calcium	**69000**		120	32	mg/Kg	☼	10/24/14 09:45	10/30/14 05:02	10
Chromium	**14**		0.59	0.068	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Cobalt	**10**		0.29	0.059	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Copper	**20**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Iron	**16000**		12	4.8	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Lead	**17**		0.29	0.088	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Magnesium	**27000**		5.9	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Manganese	**470**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Nickel	**25**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Potassium	**1800**		29	1.8	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Selenium	**0.27**	**J B**	0.59	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Sodium	**1400**		59	7.9	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Vanadium	**19**		0.29	0.044	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	1
Zinc	**60**	**B**	1.2	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:11	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		10/22/14 12:00	10/23/14 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.29**		0.20	0.20	ug/L		10/24/14 13:30	10/27/14 08:19	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	**29**		19	7.3	ug/Kg	☼	10/20/14 15:00	10/21/14 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			10/24/14 00:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/16/14 06:55	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 06:55	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 06:55	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/16/14 06:55	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		10/16/14 06:55	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 06:55	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/16/14 06:55	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/16/14 06:55	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 06:55	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/16/14 06:55	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/16/14 06:55	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 06:55	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 06:55	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/16/14 06:55	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/16/14 06:55	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/16/14 06:55	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		10/16/14 06:55	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 06:55	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/16/14 06:55	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 06:55	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/16/14 06:55	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/16/14 06:55	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		10/16/14 06:55	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 06:55	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		10/16/14 06:55	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		10/16/14 06:55	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 06:55	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 06:55	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/16/14 06:55	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 06:55	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		10/16/14 06:55	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 06:55	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/16/14 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*10/16/14 06:55*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*10/16/14 06:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*10/16/14 06:55*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/16/14 06:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Carbazole	<190		190	99	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Chrysene	<38		38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Isophorone	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Phenol	<190		190	85	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/16/14 07:24	10/27/14 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*35 - 137*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
2-Fluorophenol	*43*		*25 - 110*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
Phenol-d5	*43*		*31 - 110*	*10/16/14 07:24*	*10/27/14 11:08*	*1*
Terphenyl-d14	*68*		*36 - 134*	*10/16/14 07:24*	*10/27/14 11:08*	*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		10/22/14 08:30	10/28/14 22:56	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:56	1
Cadmium	**0.0022**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:56	1
Manganese	**3.9**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Nickel	**0.033**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:56	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:56	1
Zinc	**0.032**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.035**	**J**	0.050	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:33	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:33	1
Chromium	**0.087**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Cobalt	**0.028**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Copper	**0.12**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Iron	**88**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:33	1
Lead	**0.040**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:33	1
Manganese	**0.61**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Nickel	**0.092**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:33	1

Client Sample ID: ROW-7(0-1.5)-101414D
Date Collected: 10/14/14 13:20
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:33	1
Zinc	**0.30**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Arsenic	**6.6**		0.58	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Barium	**39**		0.58	0.062	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Beryllium	**0.51**		0.23	0.046	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Cadmium	**0.26**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Calcium	**93000**		120	31	mg/Kg	☼	10/24/14 09:45	10/30/14 05:06	10
Chromium	**13**		0.58	0.067	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Cobalt	**9.7**		0.29	0.058	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Copper	**22**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Iron	**15000**		12	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Lead	**12**		0.29	0.086	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Magnesium	**39000**		5.8	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Manganese	**400**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Nickel	**24**		0.58	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Potassium	**1900**		29	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Selenium	**0.68**	**B**	0.58	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Sodium	**1200**		58	7.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	1
Zinc	**53**	**B**	1.2	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 03:16	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		10/22/14 12:00	10/23/14 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	19	7.3	ug/Kg	☼	10/20/14 15:00	10/21/14 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			10/24/14 00:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid
Percent Solids: 88.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		10/16/14 07:19	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		10/16/14 07:19	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		10/16/14 07:19	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		10/16/14 07:19	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		10/16/14 07:19	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		10/16/14 07:19	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		10/16/14 07:19	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		10/16/14 07:19	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	☼		10/16/14 07:19	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		10/16/14 07:19	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		10/16/14 07:19	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		10/16/14 07:19	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		10/16/14 07:19	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		10/16/14 07:19	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		10/16/14 07:19	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		10/16/14 07:19	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		10/16/14 07:19	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		10/16/14 07:19	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		10/16/14 07:19	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		10/16/14 07:19	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		10/16/14 07:19	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		10/16/14 07:19	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		10/16/14 07:19	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		10/16/14 07:19	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		10/16/14 07:19	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		10/16/14 07:19	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		10/16/14 07:19	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		10/16/14 07:19	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		10/16/14 07:19	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		10/16/14 07:19	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		10/16/14 07:19	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		10/16/14 07:19	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		10/16/14 07:19	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		10/16/14 07:19	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		10/16/14 07:19	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		10/16/14 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/16/14 07:19*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/14 07:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*10/16/14 07:19*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/16/14 07:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Methylphenol	<180		180	58	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Anthracene	<36		36	6.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[a]anthracene	<36		36	4.8	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Carbazole	<180		180	93	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Chrysene	<36		36	9.8	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Hexachloroethane	<180		180	55	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-19
Matrix: Solid
Percent Solids: 88.0

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	<36		36	9.3	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Isophorone	<180		180	40	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Naphthalene	<36		36	5.5	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Phenol	<180		180	80	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1
Pyrene	<36		36	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
2-Fluorophenol	*47*		*25 - 110*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
Phenol-d5	*42*		*31 - 110*	*10/16/14 07:24*	*10/27/14 11:30*	*1*
Terphenyl-d14	*65*		*36 - 134*	*10/16/14 07:24*	*10/27/14 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		10/22/14 08:30	10/28/14 23:02	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 23:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 23:02	1
Cadmium	**0.0020**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 23:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Cobalt	**0.077**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Iron	**0.21**		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 23:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 23:02	1
Manganese	**12**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Nickel	**0.067**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 23:02	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:02	1
Zinc	**0.039**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.050**		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:39	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:39	1
Chromium	**0.096**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Cobalt	**0.037**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Copper	**0.15**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Iron	**120**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:39	1
Lead	**0.066**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:39	1
Manganese	**1.1**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Nickel	**0.13**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:39	1

Client Sample ID: ROW-19(0-5)-101414
Date Collected: 10/14/14 14:10
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Lab Sample ID: 500-86029-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:39	1
Zinc	**0.43**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Arsenic	**6.3**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Barium	**24**		0.52	0.056	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Beryllium	**0.44**		0.21	0.042	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Cadmium	**0.26**		0.10	0.013	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Calcium	**31000**		10	2.8	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Chromium	**11**		0.52	0.061	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Cobalt	**8.1**		0.26	0.052	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Copper	**19**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Iron	**15000**		10	4.3	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Lead	**15**		0.26	0.078	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Magnesium	**19000**		5.2	1.1	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Manganese	**560**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Nickel	**20**		0.52	0.10	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Potassium	**1200**		26	1.6	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Selenium	**0.53**	**B**	0.52	0.19	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Sodium	**670**		52	7.0	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Thallium	<0.52		0.52	0.22	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Vanadium	**15**		0.26	0.039	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1
Zinc	**64**	**B**	1.0	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 03:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		17	6.8	ug/Kg	☼	10/20/14 15:00	10/21/14 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.45**		0.200	0.200	SU			10/24/14 00:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid
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	☼		10/16/14 07:43	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		10/16/14 07:43	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/16/14 07:43	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/16/14 07:43	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		10/16/14 07:43	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 07:43	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		10/16/14 07:43	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 07:43	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/16/14 07:43	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 07:43	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		10/16/14 07:43	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		10/16/14 07:43	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		10/16/14 07:43	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/16/14 07:43	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		10/16/14 07:43	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		10/16/14 07:43	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		10/16/14 07:43	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 07:43	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/16/14 07:43	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 07:43	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/16/14 07:43	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/16/14 07:43	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		10/16/14 07:43	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/16/14 07:43	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		10/16/14 07:43	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		10/16/14 07:43	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		10/16/14 07:43	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/16/14 07:43	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		10/16/14 07:43	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		10/16/14 07:43	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		10/16/14 07:43	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/16/14 07:43	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/16/14 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/16/14 07:43*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*10/16/14 07:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*10/16/14 07:43*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 07:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid
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	☼	10/16/14 07:24	10/27/14 19:34	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
2-Nitrophenol	<380		380	92	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Anthracene	**9.1**	**J**	38	6.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[a]anthracene	**28**	**J**	38	5.2	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[b]fluoranthene	**51**		38	8.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Benzo[k]fluoranthene	**23**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Carbazole	<190		190	100	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Chrysene	**29**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Fluoranthene	**51**		38	7.2	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid
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	☼	10/16/14 07:24	10/27/14 19:34	1
Isophorone	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Naphthalene	<38		38	6.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Phenanthrene	**31**	**J**	38	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Phenol	<190		190	86	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1
Pyrene	**50**		38	7.7	ug/Kg	☼	10/16/14 07:24	10/27/14 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
2-Fluorophenol	*39*		*25 - 110*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
Phenol-d5	*37*		*31 - 110*	*10/16/14 07:24*	*10/27/14 19:34*	*1*
Terphenyl-d14	*69*		*36 - 134*	*10/16/14 07:24*	*10/27/14 19:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 23:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 23:24	1
Cadmium	**0.0023**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 23:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Cobalt	**0.087**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 23:24	1
Lead	**0.0075**		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 23:24	1
Manganese	**13**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Nickel	**0.045**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 23:24	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 23:24	1
Zinc	**0.086**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 23:24	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		10/21/14 10:30	10/28/14 19:46	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 19:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 19:46	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 19:46	1
Chromium	**0.055**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Copper	**0.083**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Iron	**61**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 19:46	1
Lead	**0.052**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 19:46	1
Manganese	**0.73**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Nickel	**0.062**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 19:46	1

Client Sample ID: ROW-18(0-5)-101414
Date Collected: 10/14/14 14:25
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 19:46	1
Zinc	**0.26**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 19:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Arsenic	**7.2**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Barium	**42**		0.57	0.061	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Beryllium	**0.55**		0.23	0.046	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Cadmium	**0.31**		0.11	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Calcium	**59000**		110	31	mg/Kg	☼	10/24/14 09:45	10/30/14 05:10	10
Chromium	**12**		0.57	0.067	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Cobalt	**10**		0.29	0.057	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Copper	**22**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Iron	**17000**		11	4.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Lead	**31**		0.29	0.086	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Magnesium	**26000**		5.7	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Manganese	**460**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Nickel	**23**		0.57	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Potassium	**1100**		29	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Sodium	**860**		57	7.7	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1
Zinc	**77**	**B**	1.1	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 03:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		19	7.4	ug/Kg	☼	10/20/14 15:00	10/21/14 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			10/24/14 00:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86029
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler: 3.1/2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Gurnee/Wadsworth, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
							Parameter										
11		ROW-12 (0-1.5)-101414	10/14/14	1140	2	S		X	X	X	X	X					
12		WL1-1 (0-1.5)-101414		1149	2	S		X	X	X	X	X					
13		ROW-10 (0-1.5)-101414		1201	2	S		X	X	X	X	X					
14		ROW-11 (0-1.5)-101414		1211	2	S		X	X	X	X	X					
15		ROW-8 (0-1.5)-101414		1230	2	S		X	X	X	X	X					
16		ROW-9 (0-1.5)-101414		1245	2	S		X	X	X	X	X					
17		ROW-7 (0-1.5)-101414		1320	2	S		X	X	X	X	X					
18		ROW-7 (0-1.5)-101414D		1320	2	S		X	X	X	X	X					
19		ROW-19 (0-5)-101414		1410	2	S		X	X	X	X	X					
20		ROW-18 (0-5)-101414		1425	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10/14/14	1500	[illegible]	TA	10/14/14	1506
[illegible]	TA	10/14/14	1700	O'Neal	TA	10/14/14	1455
[illegible]	TA	10/14/14	1815	[illegible]	TA-CHI	10/15/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86119-1
Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 1:22:57 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		10/17/14 14:52	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		10/17/14 14:52	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/17/14 14:52	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		10/17/14 14:52	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		10/17/14 14:52	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		10/17/14 14:52	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		10/17/14 14:52	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		10/17/14 14:52	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		10/17/14 14:52	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		10/17/14 14:52	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		10/17/14 14:52	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 14:52	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/17/14 14:52	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		10/17/14 14:52	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/17/14 14:52	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		10/17/14 14:52	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		10/17/14 14:52	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 14:52	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		10/17/14 14:52	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		10/17/14 14:52	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		10/17/14 14:52	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		10/17/14 14:52	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		10/17/14 14:52	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		10/17/14 14:52	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		10/17/14 14:52	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		10/17/14 14:52	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		10/17/14 14:52	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		10/17/14 14:52	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		10/17/14 14:52	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		10/17/14 14:52	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		10/17/14 14:52	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		10/17/14 14:52	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/17/14 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/17/14 14:52*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/17/14 14:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*10/17/14 14:52*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*10/17/14 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
3-Nitroaniline	<380	*	380	120	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Nitroaniline	<380	*	380	160	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[a]anthracene	**11**	**J**	38	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[a]pyrene	**12**	**J**	38	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[b]fluoranthene	**19**	**J**	38	8.2	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[g,h,i]perylene	**15**	**J**	38	12	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Carbazole	<190	*	190	98	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Chrysene	**15**	**J**	38	10	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Fluoranthene	**20**	**J**	38	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid
Percent Solids: 84.9

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	9.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Isophorone	<190		190	43	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Phenanthrene	**7.8**	**J**	38	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Phenol	<190		190	85	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1
Pyrene	**22**	**J**	38	7.6	ug/Kg	☼	10/17/14 07:48	10/27/14 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*39*		*35 - 137*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
2-Fluorophenol	*42*		*25 - 110*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
Phenol-d5	*48*		*31 - 110*	*10/17/14 07:48*	*10/27/14 14:42*	*1*
Terphenyl-d14	*63*		*36 - 134*	*10/17/14 07:48*	*10/27/14 14:42*	*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		10/22/14 08:30	10/22/14 21:35	1
Barium	**0.51**		0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:35	1
Cadmium	**0.0036**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:35	1
Manganese	**3.7**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Nickel	**0.036**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:35	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:35	1
Zinc	**0.047**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:35	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		10/20/14 09:30	10/29/14 07:52	1
Barium	**0.94**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 07:52	1
Beryllium	**0.010**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 07:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 07:52	1
Chromium	**0.25**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Cobalt	**0.076**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Copper	**0.33**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Iron	**260**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 07:52	1
Lead	**0.26**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 07:52	1
Manganese	**1.3**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Nickel	**0.29**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 07:52	1

Client Sample ID: ROW-13(0.5-1.5)-101514
Date Collected: 10/15/14 10:10
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 07:52	1
Zinc	**0.71**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 07:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Arsenic	**5.2**		0.59	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Barium	**62**		0.59	0.063	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Beryllium	**0.60**		0.23	0.047	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Cadmium	**0.29**	**B**	0.12	0.015	mg/Kg	☼	10/25/14 08:45	10/28/14 22:29	1
Calcium	**47000**	**B**	12	3.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Chromium	**18**		0.59	0.068	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Cobalt	**9.2**		0.29	0.059	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Copper	**24**		0.58	0.12	mg/Kg	☼	10/29/14 09:45	10/29/14 20:08	1
Iron	**17000**	**B**	12	4.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Lead	**21**	**B**	0.29	0.087	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Magnesium	**27000**		5.9	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Manganese	**410**	**B**	0.59	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Nickel	**24**		0.59	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Potassium	**3100**		29	1.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Silver	**0.037**	**J B**	0.29	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Sodium	**2000**		59	7.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Thallium	**0.82**		0.59	0.25	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Vanadium	**20**		0.29	0.043	mg/Kg	☼	10/25/14 08:45	10/28/14 03:07	1
Zinc	**51**	**B**	1.2	0.24	mg/Kg	☼	10/29/14 09:45	10/29/14 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**	**B**	19	7.5	ug/Kg	☼	10/20/14 15:00	10/21/14 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			10/23/14 21:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid
Percent Solids: 87.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		10/17/14 16:01	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		10/17/14 16:01	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		10/17/14 16:01	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		10/17/14 16:01	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		10/17/14 16:01	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		10/17/14 16:01	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 16:01	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		10/17/14 16:01	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		10/17/14 16:01	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		10/17/14 16:01	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		10/17/14 16:01	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		10/17/14 16:01	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 16:01	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		10/17/14 16:01	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		10/17/14 16:01	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		10/17/14 16:01	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		10/17/14 16:01	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		10/17/14 16:01	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		10/17/14 16:01	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 16:01	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		10/17/14 16:01	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		10/17/14 16:01	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		10/17/14 16:01	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		10/17/14 16:01	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		10/17/14 16:01	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		10/17/14 16:01	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		10/17/14 16:01	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		10/17/14 16:01	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		10/17/14 16:01	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		10/17/14 16:01	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		10/17/14 16:01	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		10/17/14 16:01	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		10/17/14 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/17/14 16:01*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/17/14 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*10/17/14 16:01*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/17/14 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Methylphenol	<180		180	59	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Nitroaniline	<360	*	360	150	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Anthracene	<36		36	6.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[a]anthracene	**24**	**J**	36	4.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[a]pyrene	**21**	**J**	36	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[b]fluoranthene	**35**	**J**	36	7.9	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[g,h,i]perylene	**21**	**J**	36	12	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Benzo[k]fluoranthene	**13**	**J**	36	11	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Carbazole	<180	*	180	94	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Chrysene	**27**	**J**	36	10	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Dibenzofuran	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Fluoranthene	**47**		36	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Hexachloroethane	<180		180	56	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**14**	**J**	36	9.5	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Isophorone	<180		180	41	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Phenanthrene	**21**	**J**	36	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Phenol	<180		180	81	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1
Pyrene	**50**		36	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*38*		*35 - 137*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
2-Fluorobiphenyl	*46*		*25 - 119*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
2-Fluorophenol	*41*		*25 - 110*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
Nitrobenzene-d5	*35*		*25 - 115*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
Phenol-d5	*47*		*31 - 110*	*10/17/14 07:48*	*10/27/14 15:43*	*1*
Terphenyl-d14	*60*		*36 - 134*	*10/17/14 07:48*	*10/27/14 15:43*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:51	1
Cadmium	**0.0065**		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:51	1
Manganese	**5.2**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Nickel	**0.040**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:51	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:51	1
Zinc	**0.033**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.092**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Barium	**0.57**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:11	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:11	1
Chromium	**0.21**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Cobalt	**0.060**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Copper	**0.30**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Iron	**230**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:11	1
Lead	**0.35**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:11	1
Manganese	**1.2**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Nickel	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:11	1

Client Sample ID: ROW-16(0.5-1.5)-101514
Date Collected: 10/15/14 11:15
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:11	1
Zinc	**0.72**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Arsenic	**6.8**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Barium	**44**		0.56	0.060	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Beryllium	**0.48**		0.22	0.044	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Cadmium	**0.37**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 22:48	1
Calcium	**44000**	**B**	11	3.0	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Chromium	**15**		0.56	0.065	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Cobalt	**7.8**		0.28	0.056	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Copper	**29**		0.54	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:27	1
Iron	**18000**	**B**	11	4.6	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Lead	**43**	**B**	0.28	0.083	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Magnesium	**27000**		5.6	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Manganese	**510**	**B**	0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Nickel	**20**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Potassium	**2100**		28	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Silver	**0.041**	**J B**	0.28	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Sodium	**1300**		56	7.5	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Thallium	**1.1**		0.56	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Vanadium	**20**		0.28	0.041	mg/Kg	☼	10/25/14 08:45	10/28/14 03:26	1
Zinc	**62**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 20:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:51	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	**29**	**B**	18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.74**		0.200	0.200	SU			10/23/14 21:56	1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/17/14 16:24	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 16:24	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 16:24	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/17/14 16:24	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		10/17/14 16:24	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 16:24	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/17/14 16:24	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/17/14 16:24	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 16:24	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/17/14 16:24	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/17/14 16:24	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 16:24	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 16:24	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/17/14 16:24	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/17/14 16:24	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		10/17/14 16:24	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		10/17/14 16:24	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 16:24	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/17/14 16:24	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/17/14 16:24	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/17/14 16:24	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/17/14 16:24	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		10/17/14 16:24	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/17/14 16:24	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		10/17/14 16:24	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/17/14 16:24	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/17/14 16:24	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/17/14 16:24	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		10/17/14 16:24	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/17/14 16:24	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		10/17/14 16:24	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/17/14 16:24	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/17/14 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*10/17/14 16:24*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/17/14 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 134*		*10/17/14 16:24*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/17/14 16:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Carbazole	<190	*	190	97	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Chrysene	<37		37	10	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Isophorone	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Phenol	<190		190	84	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1
Pyrene	**8.2**	**J**	37	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*35*		*35 - 137*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
2-Fluorophenol	*54*		*25 - 110*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
Phenol-d5	*60*		*31 - 110*	*10/17/14 07:48*	*10/27/14 16:04*	*1*
Terphenyl-d14	*77*		*36 - 134*	*10/17/14 07:48*	*10/27/14 16:04*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 21:56	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Cobalt	**0.026**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 21:56	1
Manganese	**4.1**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Nickel	**0.036**		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 21:56	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 21:56	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 21:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.079**		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Barium	**0.60**		0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:32	1
Beryllium	**0.0081**		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:32	1
Chromium	**0.21**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Cobalt	**0.061**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Copper	**0.29**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Iron	**210**		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:32	1
Lead	**0.12**		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:32	1
Manganese	**1.1**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Nickel	**0.23**		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-20(0.5-1.5)-101514
Date Collected: 10/15/14 11:38
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:32	1
Zinc	**0.57**		0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Arsenic	**5.6**		0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Barium	**39**		0.58	0.062	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Beryllium	**0.50**		0.23	0.046	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Cadmium	**0.33**	**B**	0.12	0.015	mg/Kg	☼	10/25/14 08:45	10/28/14 22:53	1
Calcium	**85000**	**B**	120	31	mg/Kg	☼	10/25/14 08:45	10/28/14 22:58	10
Chromium	**15**		0.58	0.067	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Cobalt	**8.2**		0.29	0.058	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Copper	**23**		0.55	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:33	1
Iron	**16000**	**B**	12	4.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Lead	**12**	**B**	0.29	0.086	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Magnesium	**34000**		5.8	1.2	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Manganese	**480**	**B**	0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Nickel	**20**		0.58	0.12	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Potassium	**2700**		29	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Silver	**0.041**	**J B**	0.29	0.021	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Sodium	**1000**		58	7.8	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Thallium	**0.93**		0.58	0.24	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/25/14 08:45	10/28/14 03:32	1
Zinc	**40**	**B**	1.1	0.22	mg/Kg	☼	10/29/14 09:45	10/29/14 20:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:53	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	**36**	**B**	17	6.7	ug/Kg	☼	10/20/14 15:00	10/21/14 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.82**		0.200	0.200	SU			10/23/14 22:09	1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid
Percent Solids: 86.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/20/14 11:26	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/20/14 11:26	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		10/20/14 11:26	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/20/14 11:26	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/20/14 11:26	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/20/14 11:26	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		10/20/14 11:26	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		10/20/14 11:26	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/20/14 11:26	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		10/20/14 11:26	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		10/20/14 11:26	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/20/14 11:26	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/20/14 11:26	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		10/20/14 11:26	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		10/20/14 11:26	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		10/20/14 11:26	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		10/20/14 11:26	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/20/14 11:26	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/20/14 11:26	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/20/14 11:26	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/20/14 11:26	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/20/14 11:26	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		10/20/14 11:26	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/20/14 11:26	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/20/14 11:26	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/20/14 11:26	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		10/20/14 11:26	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/20/14 11:26	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/20/14 11:26	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/20/14 11:26	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/20/14 11:26	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/20/14 11:26	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/20/14 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/20/14 11:26*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/20/14 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*10/20/14 11:26*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/20/14 11:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
3-Nitroaniline	<370	*	370	120	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Nitroaniline	<370	*	370	160	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[a]anthracene	**27**	**J**	37	5.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[a]pyrene	**61**		37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[b]fluoranthene	**75**		37	8.1	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[g,h,i]perylene	**64**		37	12	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Benzo[k]fluoranthene	**27**	**J**	37	11	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Carbazole	<190	*	190	97	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Chrysene	**50**		37	10	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Dibenz(a,h)anthracene	**13**	**J**	37	7.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Fluoranthene	**42**		37	7.0	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	44		37	9.7	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Isophorone	<190		190	42	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Phenanthrene	15	J	37	5.2	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Phenol	<190		190	83	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1
Pyrene	86		37	7.5	ug/Kg	☼	10/17/14 07:48	10/27/14 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*39*		*35 - 137*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
2-Fluorophenol	*44*		*25 - 110*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
Phenol-d5	*51*		*31 - 110*	*10/17/14 07:48*	*10/27/14 16:24*	*1*
Terphenyl-d14	*74*		*36 - 134*	*10/17/14 07:48*	*10/27/14 16:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Barium	0.24	J	0.50	0.050	mg/L		10/22/14 08:30	10/22/14 22:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/22/14 22:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/22/14 08:30	10/22/14 22:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Copper	0.035		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/22/14 22:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/22/14 22:01	1
Manganese	0.18		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/22/14 22:01	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/22/14 22:01	1
Zinc	0.072	J	0.10	0.020	mg/L		10/22/14 08:30	10/22/14 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Barium	0.096	J	0.50	0.050	mg/L		10/20/14 09:30	10/29/14 08:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/20/14 09:30	10/29/14 08:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/20/14 09:30	10/29/14 08:38	1
Chromium	0.018	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Copper	0.014	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Iron	12		0.20	0.20	mg/L		10/20/14 09:30	10/29/14 08:38	1
Lead	0.020		0.0075	0.0075	mg/L		10/20/14 09:30	10/29/14 08:38	1
Manganese	0.071		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Nickel	0.014	J	0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/20/14 09:30	10/29/14 08:38	1

Client Sample ID: ROW-21(0.5-1.5)-101514
Date Collected: 10/15/14 12:05
Date Received: 10/16/14 06:15

Lab Sample ID: 500-86119-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/20/14 09:30	10/29/14 08:38	1
Zinc	**0.096**	**J**	0.10	0.020	mg/L		10/20/14 09:30	10/29/14 08:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Arsenic	**6.4**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Barium	**40**		0.56	0.059	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Beryllium	**0.34**		0.22	0.044	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Cadmium	**0.31**	**B**	0.11	0.014	mg/Kg	☼	10/25/14 08:45	10/28/14 23:02	1
Calcium	**47000**	**B**	11	3.0	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Chromium	**12**		0.56	0.064	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Cobalt	**5.2**		0.28	0.056	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Copper	**14**		0.53	0.11	mg/Kg	☼	10/29/14 09:45	10/29/14 20:39	1
Iron	**15000**	**B**	11	4.6	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Lead	**30**	**B**	0.28	0.083	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Magnesium	**29000**		5.6	1.1	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Manganese	**350**	**B**	0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Nickel	**13**		0.56	0.11	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Potassium	**1300**		28	1.7	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Silver	**0.032**	**J B**	0.28	0.020	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Sodium	**470**		56	7.4	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Thallium	**0.86**		0.56	0.23	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Vanadium	**18**		0.28	0.041	mg/Kg	☼	10/25/14 08:45	10/28/14 03:53	1
Zinc	**44**	**B**	1.1	0.21	mg/Kg	☼	10/29/14 09:45	10/29/14 20:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**45**	**B**	18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			10/23/14 23:21	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	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.
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
L	A negative instrument reading had an absolute value greater than the reporting limit

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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86119-1

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 ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-86119 COC

Chain of Custody Record

Lab Job #: 500-86119

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.7

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

(optional)

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

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		ROW-2(0.5-1.5)-101514	10/15/14	0840	2	S	X	X	X	X	X	
2		ROW-3(0.5-1.5)-101514		0855	2	S	X	X	X	X	X	
3		ROW-4(0.5-1.5)-101514		0910	2	S	X	X	X	X	X	
4		ROW-6(0.5-1.5)-101514		0928	2	S	X	X	X	X	X	
5		ROW-6(0.5-1.5)-101514D		0928	2	S	X	X	X	X	X	
6		ROW-5(0.5-1.5)-101514		0940	2	S	X	X	X	X	X	
7		ROW-13(0.5-1.5)-101514		1010	2	S	X	X	X	X	X	
8		ROW-14(0.5-1.5)-101514		1020	2	S	X	X	X	X	X	
9		ROW-15(0.5-1.5)-101514		1100	2	S	X	X	X	X	X	
10		ROW-16(0.5-1.5)-101514		1115	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Strow	10/15/14	Weston	1400		TA	10/15/14	1400
	TA	10/15/14	1540	J. Neal	TA	10/15/14	1540
J. Neal	TA	10/15/14	1650	Sherri Scott	TA-CHI	10/16/14	0615

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-86119
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Straw
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		ROW-20 (0.5-1.5) -101514	10/15/14	1138	2	S		X	X	X	X	X	
12		ROW-21 (0.5-1.5) -101514	10/15/14	1205	2	S		X	X	X	X	X	

Matrix 10/15/14

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	10/15/14	1400		TA	10/15/14	1400
	TA	10/15/14	1540	P. Neal	TA	10/15/14	1540
P. Neal	TA	10/15/14	1650		TA-CHI	10/16/14	0615

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
42000 block of N. US 41

City: Wadsworth State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.473144123 Longitude: -87.947387935
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94

Latitude: 42.473144123 Longitude: -87.947387935

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION WL1-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2835-5. SEE FIGURE 3-3 AND TABLE 4-1 OF THE REVISED 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: 500-86029-1

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

I, Kurt T. Fischer P.G. (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/14/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 2835-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	WL1-1(0-1.5)-101414	**Soil Reference Concentrations[A]**
Sample Date	10/14/2014	
Location ID	WL1-1	
Depth	0 - 1.5	
ISGS Site Number	2835-5	
Parameter		
Laboratory pH (standard units)	8.21	<6.25, >9.0
VOCs (ug/kg)		
SVOCs (ug/kg)		
Benzo(a)pyrene	36 J	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	4.1 J-	11.3/13.0
Barium, Total	29 J-	1500
Beryllium, Total	0.66 J-	22
Cadmium, Total	0.59 J	5.2
Chromium, Total	12 J-	21
Cobalt, Total	3.8 J	20
Copper, Total	60 J	2900
Iron, Total	10000 J	15000/15900
Lead, Total	87 J+	107
Manganese, Total	720 J	630/636
Mercury, Total	0.037 J	0.89
Nickel, Total	12	100
Potassium, Total	490 J	---
Sodium, Total	450 J-	---
Thallium, Total	ND	2.6
Vanadium, Total	12 J-	550
Zinc, Total	320 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.26 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	0.0023 J	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.4	0.15
Mercury, SPLP	ND	0.002
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.12	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.12 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.028	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.032	0.65
Iron, SPLP	20	5
Lead, SPLP	0.033	0.0075
Manganese, SPLP	0.15	0.15
Nickel, SPLP	0.021 J	0.1
Zinc, SPLP	0.13	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86029-1

Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

For:

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 12:37:05 PM

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

Client Sample ID: WL1-1(0-1.5)-101414
Date Collected: 10/14/14 11:49
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-12
Matrix: Solid
Percent Solids: 82.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		10/16/14 04:33	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:33	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:33	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/16/14 04:33	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		10/16/14 04:33	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 04:33	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:33	1
Chlorobenzene	<6.1		6.1	0.61	ug/Kg	☼		10/16/14 04:33	1
Chloroethane	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:33	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		10/16/14 04:33	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 04:33	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		10/16/14 04:33	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:33	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:33	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		10/16/14 04:33	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		10/16/14 04:33	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		10/16/14 04:33	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		10/16/14 04:33	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:33	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 04:33	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		10/16/14 04:33	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:33	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/16/14 04:33	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 04:33	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:33	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		10/16/14 04:33	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 04:33	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		10/16/14 04:33	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		10/16/14 04:33	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:33	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 04:33	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 04:33	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 04:33	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 04:33	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 04:33	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/16/14 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 122*		*10/16/14 04:33*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*10/16/14 04:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*10/16/14 04:33*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 04:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WL1-1(0-1.5)-101414
Date Collected: 10/14/14 11:49
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-12
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Benzo[a]anthracene	**21**	**J**	38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Benzo[a]pyrene	**36**	**J**	38	7.4	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Benzo[b]fluoranthene	**59**		38	8.2	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Benzo[g,h,i]perylene	**53**		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Benzo[k]fluoranthene	**21**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Carbazole	<190		190	98	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Chrysene	**32**	**J**	38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Fluoranthene	**50**		38	7.1	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WL1-1(0-1.5)-101414
Date Collected: 10/14/14 11:49
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-12
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	33	J	38	9.9	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Isophorone	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Phenanthrene	21	J	38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Phenol	<190		190	84	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1
Pyrene	45		38	7.6	ug/Kg	☼	10/16/14 07:24	10/27/14 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*10/16/14 07:24*	*10/27/14 16:17*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*10/16/14 07:24*	*10/27/14 16:17*	*1*
2-Fluorophenol	*33*		*25 - 110*	*10/16/14 07:24*	*10/27/14 16:17*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*10/16/14 07:24*	*10/27/14 16:17*	*1*
Phenol-d5	*33*		*31 - 110*	*10/16/14 07:24*	*10/27/14 16:17*	*1*
Terphenyl-d14	*57*		*36 - 134*	*10/16/14 07:24*	*10/27/14 16:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Barium	0.26	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 22:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 22:17	1
Cadmium	0.0023	J ^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 22:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 22:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 22:17	1
Manganese	0.40		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 22:17	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 22:17	1
Zinc	0.12		0.10	0.020	mg/L		10/22/14 08:30	10/28/14 22:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Barium	0.12	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 18:39	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 18:39	1
Chromium	0.028		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Copper	0.032		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Iron	20		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 18:39	1
Lead	0.033		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 18:39	1
Manganese	0.15		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Nickel	0.021	J	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 18:39	1

Client Sample ID: WL1-1(0-1.5)-101414
Date Collected: 10/14/14 11:49
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 18:39	1
Zinc	**0.13**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 18:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Arsenic	**4.1**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Barium	**29**		0.59	0.063	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Beryllium	**0.66**		0.24	0.047	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Cadmium	**0.59**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Calcium	**100000**		120	32	mg/Kg	☼	10/24/14 09:45	10/30/14 04:34	10
Chromium	**12**		0.59	0.068	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Cobalt	**3.8**		0.29	0.059	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Copper	**60**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Iron	**10000**		12	4.8	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Lead	**87**		0.29	0.088	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Magnesium	**52000**		5.9	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Manganese	**720**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Nickel	**12**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Potassium	**490**		29	1.8	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Selenium	**0.34**	**J B**	0.59	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Sodium	**450**		59	7.9	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Vanadium	**12**		0.29	0.044	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1
Zinc	**320**	**B**	1.2	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 02:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/22/14 12:00	10/23/14 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:26	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	**37**		20	7.8	ug/Kg	☼	10/20/14 15:00	10/21/14 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.21**		0.200	0.200	SU			10/23/14 23:41	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86029
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler: 3.1/2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Gurnee/Wadsworth, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
							Parameter										
11		ROW-12 (0-1.5)-101414	10/14/14	1140	2	S		X	X	X	X	X					
12		WL1-1 (0-1.5)-101414		1149	2	S		X	X	X	X	X					
13		ROW-10 (0-1.5)-101414		1201	2	S		X	X	X	X	X					
14		ROW-11 (0-1.5)-101414		1211	2	S		X	X	X	X	X					
15		ROW-8 (0-1.5)-101414		1230	2	S		X	X	X	X	X					
16		ROW-9 (0-1.5)-101414		1245	2	S		X	X	X	X	X					
17		ROW-7 (0-1.5)-101414		1320	2	S		X	X	X	X	X					
18		ROW-7 (0-1.5)-101414D		1320	2	S		X	X	X	X	X					
19		ROW-19 (0-5)-101414		1410	2	S		X	X	X	X	X					
20		ROW-18 (0-5)-101414		1425	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	10/14/14	1500	[illegible]	TA	10/14/14	1506
[illegible]	TA	10/14/14	1700	O'Neal	TA	10/14/14	1455
[illegible]	TA	10/14/14	1815	[illegible]	TA-CHI	10/15/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
39100-41500 blocks of US 41

City: Wadsworth State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.448763990 (Decimal Degrees) Longitude: -87.943720482 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94

Latitude: 42.448763990 Longitude: -87.943720482

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION WS-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2835-18. SEE FIGURE 3-1 AND TABLE 4-1 OF THE REVISED 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: 500-86029-1

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

I, Kurt T. Fischer P.G. (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/14/14
Date:

LICENSED PROFESSIONAL GEOLOGIST
KURT T. FISCHER
196-000881
ILLINOIS

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

Summary Table of ISGS Site No. 2835-18
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	WS-1(0-1.5)-101414	**Soil Reference Concentrations[A]**
Sample Date	10/14/2014	
Location ID	WS-1	
Depth	0 - 1.5	
ISGS Site Number	2835-18	
Parameter		
Laboratory pH (standard units)	8.01	<6.25, >9.0
VOCs (ug/kg)		
SVOCs (ug/kg)		
Benzo(a)pyrene	58	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	5.1 J-	11.3/13.0
Barium, Total	65 J-	1500
Beryllium, Total	0.75 J-	22
Cadmium, Total	0.69 J	5.2
Chromium, Total	11 J-	21
Cobalt, Total	5.8 J	20
Copper, Total	120 J	2900
Iron, Total	11000 J	15000/15900
Lead, Total	150 J+	107
Manganese, Total	530 J	630/636
Mercury, Total	0.03 J	0.89
Nickel, Total	17	100
Potassium, Total	570 J	---
Sodium, Total	410 J-	---
Thallium, Total	ND	2.6
Vanadium, Total	15 J-	550
Zinc, Total	490 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.37 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	0.0021 J	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	0.015 J	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.2	0.15
Mercury, SPLP	ND	0.002
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.1	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.066 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	ND	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.018 J	0.65
Iron, SPLP	0.39	5
Lead, SPLP	0.017	0.0075
Manganese, SPLP	0.027	0.15
Nickel, SPLP	ND	0.1
Zinc, SPLP	0.053 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86029-1

Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

For:

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 12:37:05 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WS-1(0-1.5)-101414
Date Collected: 10/14/14 09:37
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-3
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		10/16/14 01:00	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/16/14 01:00	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 01:00	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/16/14 01:00	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/16/14 01:00	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/16/14 01:00	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		10/16/14 01:00	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		10/16/14 01:00	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 01:00	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		10/16/14 01:00	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 01:00	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		10/16/14 01:00	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 01:00	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 01:00	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		10/16/14 01:00	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/16/14 01:00	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		10/16/14 01:00	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		10/16/14 01:00	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 01:00	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 01:00	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/16/14 01:00	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		10/16/14 01:00	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/16/14 01:00	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/16/14 01:00	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		10/16/14 01:00	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/16/14 01:00	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 01:00	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/16/14 01:00	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/16/14 01:00	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		10/16/14 01:00	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/16/14 01:00	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/16/14 01:00	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/16/14 01:00	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/16/14 01:00	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/16/14 01:00	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/16/14 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/16/14 01:00*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*10/16/14 01:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*10/16/14 01:00*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*10/16/14 01:00*	*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	☼	10/16/14 07:24	10/27/14 19:12	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WS-1(0-1.5)-101414
Date Collected: 10/14/14 09:37
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-3
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2-Methylnaphthalene	**1000**		38	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Acenaphthene	**24**	**J**	38	6.8	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Anthracene	**8.1**	**J**	38	6.3	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Benzo[a]anthracene	**51**		38	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Benzo[a]pyrene	**58**		38	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Benzo[b]fluoranthene	**92**		38	8.2	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Benzo[g,h,i]perylene	**86**		38	12	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Benzo[k]fluoranthene	**35**	**J**	38	11	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Carbazole	<190		190	98	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Chrysene	**60**		38	10	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Dibenz(a,h)anthracene	**29**	**J**	38	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Fluoranthene	**92**		38	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1

Client Sample ID: WS-1(0-1.5)-101414
Date Collected: 10/14/14 09:37
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-3
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**60**		38	9.8	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Isophorone	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Naphthalene	**280**		38	5.8	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Phenanthrene	**43**		38	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Phenol	<190		190	84	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1
Pyrene	**76**		38	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*35 - 137*	*10/16/14 07:24*	*10/27/14 19:12*	*1*
2-Fluorobiphenyl	*45*		*25 - 119*	*10/16/14 07:24*	*10/27/14 19:12*	*1*
2-Fluorophenol	*32*		*25 - 110*	*10/16/14 07:24*	*10/27/14 19:12*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*10/16/14 07:24*	*10/27/14 19:12*	*1*
Phenol-d5	*31*		*31 - 110*	*10/16/14 07:24*	*10/27/14 19:12*	*1*
Terphenyl-d14	*52*		*36 - 134*	*10/16/14 07:24*	*10/27/14 19:12*	*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		10/22/14 08:30	10/28/14 21:04	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 21:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 21:04	1
Cadmium	**0.0021**	**J ^**	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 21:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:04	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:04	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 21:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 21:04	1
Manganese	**0.20**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 21:04	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:04	1
Zinc	**0.10**		0.10	0.020	mg/L		10/22/14 08:30	10/28/14 21:04	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		10/21/14 10:30	10/28/14 17:25	1
Barium	**0.066**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 17:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 17:25	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 17:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:25	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:25	1
Iron	**0.39**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 17:25	1
Lead	**0.017**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 17:25	1
Manganese	**0.027**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:25	1
Nickel	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 17:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WS-1(0-1.5)-101414
Date Collected: 10/14/14 09:37
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:25	1
Zinc	**0.053**	**J**	0.10	0.020	mg/L		10/21/14 10:30	10/28/14 17:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Arsenic	**5.1**		0.55	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Barium	**65**		0.55	0.059	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Beryllium	**0.75**		0.22	0.044	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Cadmium	**0.69**		0.11	0.014	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Calcium	**85000**		110	30	mg/Kg	☼	10/24/14 09:45	10/30/14 03:58	10
Chromium	**11**		0.55	0.064	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Cobalt	**5.8**		0.28	0.055	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Copper	**120**		0.55	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Iron	**11000**		11	4.5	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Lead	**150**		0.28	0.082	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Magnesium	**33000**		5.5	1.1	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Manganese	**530**		0.55	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Nickel	**17**		0.55	0.11	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Potassium	**570**		28	1.7	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Selenium	**0.47**	**J B**	0.55	0.20	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Sodium	**410**		55	7.4	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Vanadium	**15**		0.28	0.041	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	1
Zinc	**490**	**B**	1.1	0.22	mg/Kg	☼	10/24/14 09:45	10/29/14 01:48	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		10/22/14 12:00	10/23/14 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:01	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	**30**		18	7.2	ug/Kg	☼	10/20/14 15:00	10/21/14 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.01**		0.200	0.200	SU			10/23/14 22:28	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

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 ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.5

500-86029 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle St. 202
Address: Mundelein, IL 600060
Phone: 224-864-7200
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86029
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.1/2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		AL-1(0-1.5)-101414	10/14/14	0855	2	S	X	X	X	X	X	
2		PK-1(0-1.5)-101414		0915	2	S	X	X	X	X	X	
3		WS-1(0-1.5)-101414		0937	2	S	X	X	X	X	X	
4		WL2-1(0-1.5)-101414		0945	2	S	X	X	X	X	X	
5		VP-1 (0-1.5) -101414		1005	2	S	X	X	X	X	X	
6		VP-2 (0-1.5) -101414		1018	2	S	X	X	X	X	X	
7		VP-3 (0-1.5) -101414		1035	2	S	X	X	X	X	X	
8		VP-4 (0-1.5) -101414		1048	2	S	X	X	X	X	X	
9		VP-4 (0-1.5) -101414D		1048	2	S	X	X	X	X	X	
10		ROW-1(0-1.5)-101414		1120	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Strow	Weston	10/14/14	1500		TA	10/14/14	1500
	TA	10/14/14	1700		TA	10/14/14	1945
	TA	10/14/14	1915		TA-CHI	10/15/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
41100-41300 blocks of N. US 41

City: Wadsworth State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.459423519 (Decimal Degrees) Longitude: -87.946278441 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94

Latitude: 42.459423519 Longitude: -87.946278441

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION AL-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2835-20. SEE FIGURE 3-2 AND TABLE 4-1 OF THE REVISED 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: 500-86029-1

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

I, Kurt T. Fischer P.G. (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/14/14
Date:

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

Summary Table of ISGS Site No. 2835-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	AL-1(0-1.5)-101414	**Soil Reference Concentrations[A]**
Sample Date	10/14/2014	
Location ID	AL-1	
Depth	0 - 1.5	
ISGS Site Number	2835-20	
Parameter		
Laboratory pH (standard units)	8.54	<6.25, >9.0
VOCs (ug/kg)		
SVOCs (ug/kg)		
Benzo(a)pyrene	84 J-	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	5.4 J-	11.3/13.0
Barium, Total	66 J-	1500
Beryllium, Total	0.59 J-	22
Cadmium, Total	0.59 J	5.2
Chromium, Total	16 J-	21
Cobalt, Total	8.7 J	20
Copper, Total	29 J	2900
Iron, Total	15000 J	15000/15900
Lead, Total	100 J+	107
Manganese, Total	510 J	630/636
Mercury, Total	0.036 J	0.89
Nickel, Total	20	100
Potassium, Total	1400 J	---
Sodium, Total	880 J-	---
Thallium, Total	ND	2.6
Vanadium, Total	21 J-	550
Zinc, Total	130 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.36 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.037	0.15
Mercury, SPLP	ND	0.002
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.053 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.026 J	0.05
Barium, SPLP	0.31 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.081	0.1
Cobalt, SPLP	0.02 J	1
Copper, SPLP	0.099	0.65
Iron, SPLP	73	5
Lead, SPLP	0.21	0.0075
Manganese, SPLP	0.57	0.15
Nickel, SPLP	0.073	0.1
Zinc, SPLP	0.42	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86029-1

Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

For:

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 12:37:05 PM

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

Client Sample ID: AL-1(0-1.5)-101414
Date Collected: 10/14/14 08:55
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-1
Matrix: Solid
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	☼		10/15/14 23:24	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		10/15/14 23:24	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		10/15/14 23:24	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		10/15/14 23:24	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		10/15/14 23:24	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		10/15/14 23:24	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		10/15/14 23:24	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		10/15/14 23:24	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		10/15/14 23:24	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		10/15/14 23:24	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		10/15/14 23:24	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		10/15/14 23:24	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		10/15/14 23:24	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		10/15/14 23:24	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		10/15/14 23:24	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		10/15/14 23:24	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		10/15/14 23:24	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		10/15/14 23:24	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		10/15/14 23:24	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		10/15/14 23:24	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		10/15/14 23:24	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		10/15/14 23:24	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		10/15/14 23:24	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		10/15/14 23:24	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		10/15/14 23:24	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		10/15/14 23:24	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		10/15/14 23:24	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		10/15/14 23:24	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		10/15/14 23:24	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	☼		10/15/14 23:24	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		10/15/14 23:24	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		10/15/14 23:24	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		10/15/14 23:24	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		10/15/14 23:24	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		10/15/14 23:24	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		10/15/14 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*10/15/14 23:24*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*10/15/14 23:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*10/15/14 23:24*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/15/14 23:24*	*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	44	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: AL-1(0-1.5)-101414
Date Collected: 10/14/14 08:55
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-1
Matrix: Solid
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	93	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,4-Dimethylphenol	<410		410	150	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2-Methylnaphthalene	<41		41	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2-Methylphenol	<210		210	66	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Acenaphthene	<41		41	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Anthracene	**12**	**J**	41	6.8	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Benzo[a]anthracene	**81**		41	5.5	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Benzo[a]pyrene	**84**		41	7.9	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Benzo[b]fluoranthene	**130**		41	8.8	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Benzo[g,h,i]perylene	**110**		41	13	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Benzo[k]fluoranthene	**55**		41	12	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Carbazole	<210		210	110	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Chrysene	**90**		41	11	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Dibenz(a,h)anthracene	**29**	**J**	41	7.9	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Dibenzofuran	<210		210	48	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Fluoranthene	**140**		41	7.6	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Fluorene	<41		41	5.7	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Hexachlorobenzene	<82		82	9.5	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Hexachloroethane	<210		210	62	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1

Client Sample ID: AL-1(0-1.5)-101414
Date Collected: 10/14/14 08:55
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-1
Matrix: Solid
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	**83**		41	11	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Isophorone	<210		210	46	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Naphthalene	<41		41	6.3	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Nitrobenzene	<41		41	10	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Pentachlorophenol	<820		820	660	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Phenanthrene	**70**		41	5.7	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Phenol	<210		210	91	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1
Pyrene	**130**		41	8.1	ug/Kg	☼	10/16/14 07:24	10/27/14 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*10/16/14 07:24*	*10/27/14 18:07*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*10/16/14 07:24*	*10/27/14 18:07*	*1*
2-Fluorophenol	*41*		*25 - 110*	*10/16/14 07:24*	*10/27/14 18:07*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*10/16/14 07:24*	*10/27/14 18:07*	*1*
Phenol-d5	*38*		*31 - 110*	*10/16/14 07:24*	*10/27/14 18:07*	*1*
Terphenyl-d14	*65*		*36 - 134*	*10/16/14 07:24*	*10/27/14 18:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 20:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 20:16	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 20:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Iron	<0.20		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 20:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 20:16	1
Manganese	**0.037**		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 20:16	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 20:16	1
Zinc	**0.053**	**J**	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 20:16	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		10/21/14 10:30	10/28/14 16:53	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 16:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 16:53	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 16:53	1
Chromium	**0.081**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 16:53	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 16:53	1
Copper	**0.099**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 16:53	1
Iron	**73**		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 16:53	1
Lead	**0.21**		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 16:53	1
Manganese	**0.57**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 16:53	1
Nickel	**0.073**		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 16:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 16:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: AL-1(0-1.5)-101414
Date Collected: 10/14/14 08:55
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 16:53	1
Zinc	**0.42**		0.10	0.020	mg/L		10/21/14 10:30	10/28/14 16:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Arsenic	**5.4**		0.61	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Barium	**66**		0.61	0.065	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Beryllium	**0.59**		0.24	0.049	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Cadmium	**0.59**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Calcium	**53000**		120	33	mg/Kg	☼	10/24/14 09:45	10/30/14 03:34	10
Chromium	**16**		0.61	0.071	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Cobalt	**8.7**		0.30	0.061	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Copper	**29**		0.61	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Iron	**15000**		12	5.0	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Lead	**100**		0.30	0.091	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Magnesium	**19000**		6.1	1.3	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Manganese	**510**		0.61	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Nickel	**20**		0.61	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Potassium	**1400**		30	1.8	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Sodium	**880**		61	8.2	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Thallium	<0.61		0.61	0.26	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Vanadium	**21**		0.30	0.045	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	1
Zinc	**130**	**B**	1.2	0.25	mg/Kg	☼	10/24/14 09:45	10/29/14 01:19	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		10/22/14 12:00	10/23/14 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		19	7.6	ug/Kg	☼	10/20/14 15:00	10/21/14 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.54**		0.200	0.200	SU			10/23/14 22:15	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

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 ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.5

500-86029 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle St. 202
Address: Mundelein, IL 600060
Phone: 224-864-7200
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86029
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.1/2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		AL-1(0-1.5)-101414	10/14/14	0855	2	S	X	X	X	X	X	
2		PK-1(0-1.5)-101414		0915	2	S	X	X	X	X	X	
3		WS-1(0-1.5)-101414		0937	2	S	X	X	X	X	X	
4		WL2-1(0-1.5)-101414		0945	2	S	X	X	X	X	X	
5		VP-1 (0-1.5) -101414		1005	2	S	X	X	X	X	X	
6		VP-2 (0-1.5) -101414		1018	2	S	X	X	X	X	X	
7		VP-3 (0-1.5) -101414		1035	2	S	X	X	X	X	X	
8		VP-4 (0-1.5) -101414		1048	2	S	X	X	X	X	X	
9		VP-4 (0-1.5) -101414D		1048	2	S	X	X	X	X	X	
10		ROW-1(0-1.5)-101414		1120	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Strow	Weston	10/14/14	1500		TA	10/14/14	1500
	TA	10/14/14	1700		TA	10/14/14	1945
	TA	10/14/14	1915		TA-CHI	10/15/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94 Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
41100-41300 blocks of N. US 41

City: Wadsworth State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.461586299 (Decimal Degrees) Longitude: -87.946031244 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

Project Name: FAP 346: US Rte 41 from Illinois Rte 21 to I-94

Latitude: 42.461586299 Longitude: -87.946031244

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION WL2-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 2835-21. SEE FIGURE 3-2 AND TABLE 4-1 OF THE REVISED 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: 500-86029-1

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

I, Kurt T. Fischer P.G. (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

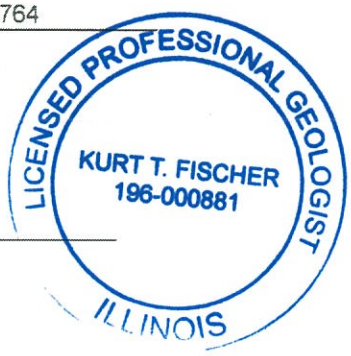
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

11/14/14
Date:



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

Summary Table of ISGS Site No. 2835-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 from Illinois Route 21 to I-94
Gurnee and Wadsworth, Lake County, Illinois

Field Sample ID	WL2-1(0-1.5)-101414	**Soil Reference Concentrations[A]**
Sample Date	10/14/2014	
Location ID	WL2-1	
Depth	0 - 1.5	
ISGS Site Number	2835-21	
Parameter		
Laboratory pH (standard units)	8.48	<6.25, >9.0
VOCs (ug/kg)	**None Detected**	
SVOCs (ug/kg)		
Benzo(a)pyrene	47	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	6.3 J-	11.3/13.0
Barium, Total	41 J-	1500
Beryllium, Total	0.46 J-	22
Cadmium, Total	0.45 J	5.2
Chromium, Total	13 J-	21
Cobalt, Total	7.9 J	20
Copper, Total	23 J	2900
Iron, Total	12000 J	15000/15900
Lead, Total	77 J+	107
Manganese, Total	430 J	630/636
Mercury, Total	0.034 J	0.89
Nickel, Total	20	100
Potassium, Total	1300 J	---
Sodium, Total	430 J-	---
Thallium, Total	ND	2.6
Vanadium, Total	19 J-	550
Zinc, Total	96 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.28 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	0.21	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.14	0.15
Mercury, SPLP	ND	0.002
Nickel, TCLP	ND	0.1
Zinc, TCLP	0.054 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.14 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.014 J	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.018 J	0.65
Iron, SPLP	7	5
Lead, SPLP	0.014	0.0075
Manganese, SPLP	0.075	0.15
Nickel, SPLP	ND	0.1
Zinc, SPLP	0.085 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86029-1

Client Project/Site: IDOT - Gurnee & Wadsworth - WO 083

For:

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

Attn: Mr. S. Babusukumar

Authorized for release by:
10/30/2014 12:37:05 PM

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

Client Sample ID: WL2-1(0-1.5)-101414
Date Collected: 10/14/14 09:45
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-4
Matrix: Solid
Percent Solids: 82.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		10/16/14 01:23	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 01:23	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 01:23	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/16/14 01:23	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		10/16/14 01:23	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 01:23	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 01:23	1
Chlorobenzene	<6.1		6.1	0.61	ug/Kg	☼		10/16/14 01:23	1
Chloroethane	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 01:23	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		10/16/14 01:23	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 01:23	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		10/16/14 01:23	1
cis-1,3-Dichloropropene	<6.1		6.1	0.79	ug/Kg	☼		10/16/14 01:23	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 01:23	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		10/16/14 01:23	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		10/16/14 01:23	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		10/16/14 01:23	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		10/16/14 01:23	1
1,3-Dichloropropene, Total	<6.1		6.1	0.79	ug/Kg	☼		10/16/14 01:23	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 01:23	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		10/16/14 01:23	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 01:23	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/16/14 01:23	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/16/14 01:23	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 01:23	1
Styrene	<6.1		6.1	0.79	ug/Kg	☼		10/16/14 01:23	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/16/14 01:23	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		10/16/14 01:23	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		10/16/14 01:23	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 01:23	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/16/14 01:23	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/16/14 01:23	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		10/16/14 01:23	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/16/14 01:23	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/16/14 01:23	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/16/14 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*10/16/14 01:23*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/16/14 01:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*10/16/14 01:23*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*10/16/14 01:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WL2-1(0-1.5)-101414
Date Collected: 10/14/14 09:45
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-4
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Benzo[a]anthracene	**43**		37	5.1	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Benzo[a]pyrene	**47**		37	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Benzo[b]fluoranthene	**75**		37	8.1	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Benzo[g,h,i]perylene	**64**		37	12	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Benzo[k]fluoranthene	**30**	**J**	37	11	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Carbazole	<190		190	97	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Chrysene	**49**		37	10	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Fluoranthene	**82**		37	7.0	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

Client Sample ID: WL2-1(0-1.5)-101414
Date Collected: 10/14/14 09:45
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-4
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	42		37	9.8	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Isophorone	<190		190	42	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Phenanthrene	36	J	37	5.3	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Phenol	<190		190	84	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1
Pyrene	77		37	7.5	ug/Kg	☼	10/16/14 07:24	10/27/14 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*10/16/14 07:24*	*10/27/14 12:57*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*10/16/14 07:24*	*10/27/14 12:57*	*1*
2-Fluorophenol	*42*		*25 - 110*	*10/16/14 07:24*	*10/27/14 12:57*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*10/16/14 07:24*	*10/27/14 12:57*	*1*
Phenol-d5	*39*		*31 - 110*	*10/16/14 07:24*	*10/27/14 12:57*	*1*
Terphenyl-d14	*74*		*36 - 134*	*10/16/14 07:24*	*10/27/14 12:57*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Barium	0.28	J	0.50	0.050	mg/L		10/22/14 08:30	10/28/14 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/22/14 08:30	10/28/14 21:10	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/22/14 08:30	10/28/14 21:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Copper	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Iron	0.21		0.20	0.20	mg/L		10/22/14 08:30	10/28/14 21:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/22/14 08:30	10/28/14 21:10	1
Manganese	0.14		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/22/14 08:30	10/28/14 21:10	1
Silver	<0.025		0.025	0.010	mg/L		10/22/14 08:30	10/28/14 21:10	1
Zinc	0.054	J	0.10	0.020	mg/L		10/22/14 08:30	10/28/14 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Barium	0.14	J	0.50	0.050	mg/L		10/21/14 10:30	10/28/14 17:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/21/14 10:30	10/28/14 17:32	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/21/14 10:30	10/28/14 17:32	1
Chromium	0.014	J	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Cobalt	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Copper	0.018	J	0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Iron	7.0		0.20	0.20	mg/L		10/21/14 10:30	10/28/14 17:32	1
Lead	0.014		0.0075	0.0075	mg/L		10/21/14 10:30	10/28/14 17:32	1
Manganese	0.075		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Nickel	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/21/14 10:30	10/28/14 17:32	1

Client Sample ID: WL2-1(0-1.5)-101414
Date Collected: 10/14/14 09:45
Date Received: 10/15/14 06:30

Lab Sample ID: 500-86029-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/21/14 10:30	10/28/14 17:32	1
Zinc	**0.085**	**J**	0.10	0.020	mg/L		10/21/14 10:30	10/28/14 17:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Arsenic	**6.3**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Barium	**41**		0.59	0.063	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Beryllium	**0.46**		0.23	0.047	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Cadmium	**0.45**		0.12	0.015	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Calcium	**68000**		120	32	mg/Kg	☼	10/24/14 09:45	10/30/14 04:02	10
Chromium	**13**		0.59	0.068	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Cobalt	**7.9**		0.29	0.059	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Copper	**23**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Iron	**12000**		12	4.8	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Lead	**77**		0.29	0.087	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Magnesium	**35000**		5.9	1.2	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Manganese	**430**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Nickel	**20**		0.59	0.12	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Potassium	**1300**		29	1.8	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Sodium	**430**		59	7.8	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Thallium	<0.59		0.59	0.25	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	1
Zinc	**96**	**B**	1.2	0.24	mg/Kg	☼	10/24/14 09:45	10/29/14 01:53	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		10/22/14 12:00	10/23/14 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/21/14 13:00	10/22/14 11:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**		20	7.9	ug/Kg	☼	10/20/14 15:00	10/21/14 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.48**		0.200	0.200	SU			10/23/14 22:35	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 - Gurnee & Wadsworth - WO 083

TestAmerica Job ID: 500-86029-1

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 ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.5

500-86029 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle St. 202
Address: Mundelein, IL 600060
Phone: 224-864-7200
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86029
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.1/2.7

Client: Weston Solutions
Client Project #:
Project Name: IDOT 083
Project Location/State: Wadsworth/Gurnee, IL
Lab Project #:
Sampler: M. Strow
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		AL-1(0-1.5)-101414	10/14/14	0855	2	S	X	X	X	X	X	
2		PK-1(0-1.5)-101414		0915	2	S	X	X	X	X	X	
3		WS-1(0-1.5)-101414		0937	2	S	X	X	X	X	X	
4		WL2-1(0-1.5)-101414		0945	2	S	X	X	X	X	X	
5		VP-1 (0-1.5) -101414		1005	2	S	X	X	X	X	X	
6		VP-2 (0-1.5) -101414		1018	2	S	X	X	X	X	X	
7		VP-3 (0-1.5) -101414		1035	2	S	X	X	X	X	X	
8		VP-4 (0-1.5) -101414		1048	2	S	X	X	X	X	X	
9		VP-4 (0-1.5) -101414D		1048	2	S	X	X	X	X	X	
10		ROW-1(0-1.5)-101414		1120	2	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Strow	Weston	10/14/14	1500		TA	10/14/14	1500
	TA	10/14/14	1700		TA	10/14/14	1945
	TA	10/14/14	1915		TA-CHI	10/15/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments: