



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: WB I-290 from Peoria St to Racine Ave Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
I-290 Right of Way between the Chicago River and Troop Street

City: Chicago State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.875888889 Longitude: -87.650453757
(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: WB I-290 from Peoria St to Racine Ave

Latitude: 41.875888889 Longitude: -87.650453757

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 IR-1, IR-2, IR-3, IR-12, AND IR-15 WERE SAMPLED ADJACENT TO ISGS SITE No. 2615-219. 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: 500-86632-1 AND
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-86633-1.

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

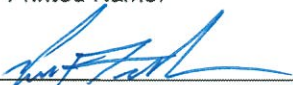
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Kurt T. Fischer P.G.

Printed Name:



11/21/14

Date:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:



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

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-1(0-5)-102314	IR-1(5-10)-102314	IR-1(10-15)-102314	IR-1(10-15)-102314D	IR-1(15-20)-102314	Soil Reference Concentrations ^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-1	IR-1	IR-1	IR-1	IR-1	
Depth	0 - 5	5 - 10	10 - 15	10 - 15	15 - 20	
ISGS Site Number	2615-219	2615-219	2615-219	2615-219	2615-219	
Parameter						
Laboratory pH (s.u.)	8.46	7.91	8.12	7.99	8.01	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methylene chloride	8.1 cn	6.8 cn	6.3 cn	8.8 cn	ND	20
SVOCs (ug/kg)						
2-Methylnaphthalene	9.3 J	35 J	36 J	43	47	---
Acenaphthene	12 J	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	ND	---
Anthracene	37 J	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	190	ND	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	180	ND	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	230	ND	ND	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	160	18 J	28 J	ND	32 J	---
Benzo(k)fluoranthene	120	ND	ND	ND	ND	9000
Carbazole	ND	ND	ND	ND	ND	600
Chrysene	230	25 J	27 J	24 J	30 J	88000
Dibenzo(a,h)anthracene	31 J	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	310	ND	ND	ND	ND	3100000
Fluorene	13 J	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	110 J+	ND	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	21 J	38 J	32 J	ND	25 J	1800
Phenanthrene	170	70	77	86	89	---
Pyrene	470	ND	ND	ND	ND	2300000
Total Metals (mg/kg)						
Arsenic, Total	8.6	8	7.3	7.8	8.1	11.3 / 13
Barium, Total	37	29	36	33	37	1500
Beryllium, Total	0.68	0.5	0.55	0.53	0.58	22
Cadmium, Total	0.17 J-	0.16 J-	0.18 J-	0.14 J-	0.15 J-	5.2
Calcium, Total	16000 J	45000 J	42000 J	43000 J	44000 J	---
Chromium, Total	16 B	14 B	15 B	15 B	15 B	21
Cobalt, Total	8.6 J-	10 J-	9.8 J-	9.9 J-	10 J-	20
Copper, Total	34	34	28	31	28	2900
Iron, Total	19000 J	18000 J	18000 J	18000 J	18000 J	15000 / 15900
Lead, Total	40 J-	13 J-	11 J-	12 J-	12 J-	107
Magnesium, Total	10000 J	26000 J	23000 J	24000 J	25000 J	325000
Manganese, Total	240 J-	370 J-	320 J-	340 J-	330 J-	630 / 636
Mercury, Total	0.061	9.30E-03 J	ND	ND	0.032	0.89
Nickel, Total	24 J-	28 J-	27 J-	27 J-	28 J-	100
Potassium, Total	2200 J+	2500 J+	2800 J+	2700 J+	2800 J+	---
Selenium, Total	0.97 J-	0.57 J	0.6 J-	0.5 J	0.46 J	1.3
Silver, Total	0.089 J	0.13 J	0.13 J	0.11 J	0.12 J	4.4
Sodium, Total	700	580	240	240	260	---
Thallium, Total	1.2 J-	1.2 J-	1.2 J-	1.4 J-	1.5 J-	2.6
Vanadium, Total	19	15	17	17	18	550
Zinc, Total	59 J-	34 J-	47 J-	38 J-	38 J-	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.49 J	0.64	0.71	0.6	0.65	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	0.016 J	0.013 J	0.011 J	0.013 J	1
Copper, TCLP	ND	ND	0.012 J	ND	0.011 J	0.65
Lead, TCLP	0.013	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.5	1.7	1.9	1.6	1.7	0.15
Nickel, TCLP	0.02 J	0.046	0.038	0.034	0.036	0.1
Zinc, TCLP	0.21 B	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-1(0-5)-102314	IR-1(5-10)-102314	IR-1(10-15)-102314	IR-1(10-15)-102314D	IR-1(15-20)-102314	Soil Reference Concentrations ^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-1	IR-1	IR-1	IR-1	IR-1	
Depth	0 - 5	5 - 10	10 - 15	10 - 15	15 - 20	
ISGS Site Number	2615-219	2615-219	2615-219	2615-219	2615-219	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.38 J	0.29 J	0.37 J	0.33 J	0.32 J	2
Chromium, SPLP	0.016 J	0.01 J	0.012 J	ND	0.015 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.095	0.041	0.031 J	0.066 J	0.03	0.65
Iron, SPLP	11	2.2	1.9	2.2	4.6	5
Lead, SPLP	0.055	ND	ND	0.011	ND	0.0075
Manganese, SPLP	0.21	0.16	0.18	0.2	0.15	0.15
Nickel, SPLP	0.016 J	0.012 J	0.01 J	0.013 J	0.012 J	0.1
Zinc, SPLP	0.36	0.25	0.3	0.27	0.27	5

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-1(20-25)-102314	IR-2(0-5)-102314	IR-2(5-10)-102314	IR-2(10-15)-102314	IR-3(0-5)-102314	Soil Reference Concentrations ^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-1	IR-2	IR-2	IR-2	IR-3	
Depth	20 - 25	0 - 5	5 - 10	10 - 15	0 - 5	
ISGS Site Number	2615-219	2615-219	2615-219	2615-219	2615-219	
Parameter						
Laboratory pH (s.u.)	8.12	8.62	7.91	8.01	7.96	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methylene chloride	6.7 cn	9.4 cn	ND	9.5 cn	ND	20
SVOCs (ug/kg)						
2-Methylnaphthalene	24 J	ND	41	9.9 J	40	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	ND	ND	ND	38	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	34 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	37	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	17 J	16 J	16 J	53	ND	---
Benzo(k)fluoranthene	ND	ND	ND	27 J	ND	9000
Carbazole	ND	ND	ND	ND	ND	600
Chrysene	18 J	17 J	22 J	38	29 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	ND	ND	ND	53	ND	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	31 J	ND	900 / 900 / 1600
Naphthalene, SVOC	26 J	10 J	ND	7.8 J	ND	1800
Phenanthrene	68	39	63	48	96	---
Pyrene	12 J	ND	ND	59	60	2300000
Total Metals (mg/kg)						
Arsenic, Total	7.2	5.4	7.4	4.1	11	11.3 / 13
Barium, Total	40	28	42	23	31	1500
Beryllium, Total	0.56	0.35	0.57	0.29	0.57	22
Cadmium, Total	0.15 J-	0.19 J-	0.042 J	0.21 J-	0.15 J-	5.2
Calcium, Total	41000 J	120000 J	42000 J	140000 J	26000 J	---
Chromium, Total	17 B	9.5 B	17 B	14 B	16 B	21
Cobalt, Total	10 J-	5.8 J-	9.8 J-	4.1 J-	12 J-	20
Copper, Total	28	20	26	15	47	2900
Iron, Total	19000 J	11000 J	18000 J	9000 J	21000 J	15000 / 15900
Lead, Total	11 J-	43 J-	11 J-	16 J-	18 J-	107
Magnesium, Total	22000 J	69000 J	22000 J	81000 J	18000 J	325000
Manganese, Total	320 J-	250 J-	320 J-	290 J-	290 J-	630 / 636
Mercury, Total	0.034	0.023	0.018 J	ND	0.029	0.89
Nickel, Total	28 J-	15 J-	27 J-	12 J-	35 J-	100
Potassium, Total	2900 J+	2400 J+	3000 J+	2000 J+	2800 J+	---
Selenium, Total	0.5 J	ND	0.49 J	ND	0.85 J-	1.3
Silver, Total	0.12 J	0.083 J	0.13 J	0.071 J	0.14 J	4.4
Sodium, Total	260	500	450	370	350	---
Thallium, Total	1.3 J-	0.77 J-	1.4 J-	0.59 J-	1.6 J-	2.6
Vanadium, Total	18	11	18	12	17	550
Zinc, Total	45 J-	30 J-	39 J-	39 J-	47 J-	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.7	0.66	0.58	0.56	0.59	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.015 J	ND	0.027	0.036	0.048	1
Copper, TCLP	0.029	0.013 J	0.035	0.014 J	0.06	0.65
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.9	0.61	1.7	2.4	1.8	0.15
Nickel, TCLP	0.042	0.033	0.062	0.071	0.047	0.1
Zinc, TCLP	ND	0.26 B	0.2 B	0.35 B	0.29 B	5

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-1(20-25)-102314	IR-2(0-5)-102314	IR-2(5-10)-102314	IR-2(10-15)-102314	IR-3(0-5)-102314	Soil Reference Concentrations^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-1	IR-2	IR-2	IR-2	IR-3	
Depth	20 - 25	0 - 5	5 - 10	10 - 15	0 - 5	
ISGS Site Number	2615-219	2615-219	2615-219	2615-219	2615-219	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.011 J	ND	ND	ND	0.05
Barium, SPLP	0.35 J	0.44 J	0.26 J	0.32 J	0.35 J	2
Chromium, SPLP	0.014 J	0.036	0.013 J	0.022 J	0.014 J	0.1
Cobalt, SPLP	ND	0.012 J	ND	ND	0.012 J	1
Copper, SPLP	0.047	0.081	0.086	0.039	0.068	0.65
Iron, SPLP	4.1	23	4.5	8.9	4.7	5
Lead, SPLP	0.0087	0.076	0.015	0.014	0.013	0.0075
Manganese, SPLP	0.24	0.2	0.093	0.17	0.18	0.15
Nickel, SPLP	0.014 J	0.044	0.01 J	0.02 J	0.016 J	0.1
Zinc, SPLP	0.27	0.34	0.25	0.3	0.32	5

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-3(5-10)-102314	IR-12(0-5)-102314	IR-12(5-10)-102314	IR-12(10-15)-102314	IR-15(0-5)-102314	Soil Reference Concentrations ^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-3	IR-12	IR-12	IR-12	IR-15	
Depth	5 - 10	0 - 5	5 - 10	10 - 15	0 - 5	
ISGS Site Number	2615-219	2615-219	2615-219	2615-219	2615-219	
Parameter						
Laboratory pH (s.u.)	7.96	7.66	7.57	7.43	7.52	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	7	ND	25000
Methylene chloride	6.6 cn	ND	ND	ND	6.2 cn	20
SVOCs (ug/kg)						
2-Methylnaphthalene	11 J	32 J	ND	ND	8.5 J	---
Acenaphthene	ND	79	ND	ND	ND	570000
Acenaphthylene	ND	51	ND	ND	ND	---
Anthracene	ND	430	ND	ND	20 J	1.20E+07
Benzo(a)anthracene	ND	1500	43	ND	86	900 / 1100 / 1800
Benzo(a)pyrene	ND	1100	30 J	ND	71	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	1500	45	18 J	90	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	670	59	ND	58	---
Benzo(k)fluoranthene	ND	520	33 J	ND	39	9000
Carbazole	ND	140 J	ND	ND	ND	600
Chrysene	20 J	1400	50	41	85	88000
Dibenzo(a,h)anthracene	ND	250	ND	ND	15 J	90 / 200 / 420
Dibenzofuran	ND	59 J	ND	ND	ND	---
Fluoranthene	ND	2200	29 J	22 J	140	3100000
Fluorene	ND	110	ND	ND	7.8 J	560000
Indeno(1,2,3-cd)pyrene	ND	600	23 J	ND	49 J+	900 / 900 / 1600
Naphthalene, SVOC	ND	41	ND	ND	19 J	1800
Phenanthrene	48	2000	50	54	82	---
Pyrene	ND	3500	44	29 J	160	2300000
Total Metals (mg/kg)						
Arsenic, Total	7.7	6.6 J	3.2 J	6.3 J	4.2	11.3 / 13
Barium, Total	34	58 J-	8.5 J-	34 J-	23	1500
Beryllium, Total	0.58	0.5 J-	0.25 J-	0.49 J-	0.22	22
Cadmium, Total	0.18 J-	0.26 J-	0.11 J-	0.15 J-	0.062 J	5.2
Calcium, Total	46000 J	33000 J+	90000 J+	40000 J+	7300 J	---
Chromium, Total	16 B	10 J	4.8 J	14 J	5.6 B	21
Cobalt, Total	10 J-	6.5 J	4.9 J-	9.3 J-	2.5 J-	20
Copper, Total	32	42 J	14 J	29 J	18	2900
Iron, Total	19000 J	12000 J	8700 J	16000 J	5500 J	15000 / 15900
Lead, Total	13 J-	70 J	4.3 J	13 J	19 J-	107
Magnesium, Total	26000 J	19000 J-	33000 J-	23000 J-	2900 J	325000
Manganese, Total	410 J-	290 J	210 J	310 J	89 J-	630 / 636
Mercury, Total	0.023	0.29	0.037	0.032	0.07	0.89
Nickel, Total	29 J-	18 J-	8.9 J-	26 J-	5.2 J-	100
Potassium, Total	3300 J+	1400	780	2300	380 J+	---
Selenium, Total	0.53 J	0.35 J	ND	0.49 J	0.51 J	1.3
Silver, Total	0.11 J	0.18 J	ND	ND	ND	4.4
Sodium, Total	410	400 J-	340 J-	330 J-	290	---
Thallium, Total	1.5 J-	0.76 J	0.51 J	1.4 J	0.29 J	2.6
Vanadium, Total	18	15 J	12 J	15 J	11	550
Zinc, Total	38 J-	66 B	10	34	23 J-	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.54	0.34 J	0.42 J	0.63	0.27 J	2
Cadmium, TCLP	ND	0.0023 J	ND	ND	ND	0.005
Cobalt, TCLP	0.021 J	ND	0.023 J	0.028	ND	1
Copper, TCLP	0.013 J	0.047	0.052	0.012 J	0.011 J	0.65
Lead, TCLP	ND	0.014	ND	ND	ND	0.0075
Manganese, TCLP	1.8	1.4	2.3	1.8	0.61	0.15
Nickel, TCLP	0.052	0.015 J	0.029	0.067	ND	0.1
Zinc, TCLP	0.21 B	ND	ND	ND	0.34 B	5

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-3(5-10)-102314	IR-12(0-5)-102314	IR-12(5-10)-102314	IR-12(10-15)-102314	IR-15(0-5)-102314	Soil Reference Concentrations^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-3	IR-12	IR-12	IR-12	IR-15	
Depth	5 - 10	0 - 5	5 - 10	10 - 15	0 - 5	
ISGS Site Number	2615-219	2615-219	2615-219	2615-219	2615-219	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.22 J	0.064 J	0.082 J	0.083 J	0.25 J	2
Chromium, SPLP	ND	ND	ND	ND	0.011 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.023 J	ND	ND	ND	0.029	0.65
Iron, SPLP	1.3	0.56	ND	0.24	3.1	5
Lead, SPLP	ND	ND	ND	ND	0.018	0.0075
Manganese, SPLP	0.056	ND	ND	0.022 J	0.043	0.15
Nickel, SPLP	ND	ND	ND	ND	ND	0.1
Zinc, SPLP	0.2	ND	ND	ND	0.26	5



Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-15(5-10)-102314	IR-15(10-15)-102314	IR-15(15-20)-102314	Soil Reference Concentrations ^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-15	IR-15	IR-15	
Depth	5 - 10	10 - 15	15 - 20	
ISGS Site Number	2615-219	2615-219	2615-219	
Parameter				
Laboratory pH (s.u.)	7.56	7.42	7.66	<6.25,>9.0
VOCs (ug/kg)				
Acetone	ND	ND	6.7	25000
Methylene chloride	ND	ND	6.9 cn	20
SVOCs (ug/kg)				
2-Methylnaphthalene	ND	ND	22 J	---
Acenaphthene	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	---
Anthracene	ND	ND	ND	1.20E+07
Benzo(a)anthracene	ND	ND	32 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	26 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	22 J	15 J	46	---
Benzo(k)fluoranthene	ND	ND	ND	9000
Carbazole	ND	ND	ND	600
Chrysene	14 J	21 J	47	88000
Dibenzo(a,h)anthracene	ND	ND	ND	90 / 200 / 420
Dibenzofuran	ND	ND	ND	---
Fluoranthene	ND	ND	44	3100000
Fluorene	ND	ND	11 J	560000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	20 J	36 J	36 J	1800
Phenanthrene	ND	89	120	---
Pyrene	ND	ND	59	2300000
Total Metals (mg/kg)				
Arsenic, Total	8.3	7.7	6.7	11.3 / 13
Barium, Total	36	30	42	1500
Beryllium, Total	0.42	0.62	0.67	22
Cadmium, Total	0.17 J-	0.12 J-	0.089 J	5.2
Calcium, Total	48000 J	27000 J	34000 J	---
Chromium, Total	11 B	17 B	19 B	21
Cobalt, Total	6.4 J-	12 J-	11 J-	20
Copper, Total	17	32	27	2900
Iron, Total	16000 J	20000 J	19000 J	15000 / 15900
Lead, Total	8.2 J-	13 J-	13 J-	107
Magnesium, Total	30000 J	17000 J	21000 J	325000
Manganese, Total	390 J-	300 J-	320 J-	630 / 636
Mercury, Total	0.022	0.011 J	0.012 J	0.89
Nickel, Total	17 J-	33 J-	30 J-	100
Potassium, Total	1600 J+	3000 J+	3400 J+	---
Selenium, Total	ND	0.68 J-	0.63 J-	1.3
Silver, Total	0.11 J	0.13 J	0.13 J	4.4
Sodium, Total	460	370	280	---
Thallium, Total	0.64 J-	1.4 J-	1.2 J-	2.6
Vanadium, Total	19	17	20	550
Zinc, Total	24 J-	37 J-	40 J-	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.38 J	0.22 J	0.66	2
Cadmium, TCLP	ND	ND	ND	0.005
Cobalt, TCLP	ND	0.034	0.023 J	1
Copper, TCLP	0.011 J	0.017 J	0.012 J	0.65
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	0.36	1.6	2.3	0.15
Nickel, TCLP	0.018 J	0.081	0.054	0.1
Zinc, TCLP	ND	ND	ND	5

Summary Table of ISGS Site No. 2615-219
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
Circle Interchange: Westbound I-290 from Peoria Street to Racine Avenue
Chicago, Cook County, Illinois

Field Sample ID	IR-15(5-10)-102314	IR-15(10-15)-102314	IR-15(15-20)-102314	Soil Reference Concentrations ^A
Sample Date	10/23/2014	10/23/2014	10/23/2014	
Location ID	IR-15	IR-15	IR-15	
Depth	5 - 10	10 - 15	15 - 20	
ISGS Site Number	2615-219	2615-219	2615-219	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	ND	ND	0.05
Barium, SPLP	0.25 J	0.23 J	0.25 J	2
Chromium, SPLP	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	1
Copper, SPLP	0.068	0.031	0.1	0.65
Iron, SPLP	0.95	ND	0.88	5
Lead, SPLP	0.012	ND	0.019	0.0075
Manganese, SPLP	0.013 J	0.059	0.058	0.15
Nickel, SPLP	ND	ND	ND	0.1
Zinc, SPLP	0.26	0.23	0.28	5

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in investigative and blank sample.

cn - per case narrative, methylene chloride detection may be due to laboratory contamination.

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: 500-86633-1
Client Project/Site: IDOT - Circle Interchange - WO 091

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

Attn: Mr. S. Babusukumar



Authorized for release by:
11/10/2014 4:41:44 PM

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(0-5)-102314

Lab Sample ID: 500-86633-3

Date Collected: 10/23/14 14:25

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 91.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	*		10/29/14 00:29	1
Benzene	<5.5		5.5	0.75	ug/Kg	*		10/29/14 00:29	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	*		10/29/14 00:29	1
Bromoform	<5.5		5.5	1.3	ug/Kg	*		10/29/14 00:29	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	*		10/29/14 00:29	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	*		10/29/14 00:29	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	*		10/29/14 00:29	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	*		10/29/14 00:29	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	*		10/29/14 00:29	1
Chloroform	<5.5		5.5	0.63	ug/Kg	*		10/29/14 00:29	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	*		10/29/14 00:29	1
cis-1,2-Dichloroethene	<5.5		5.5	0.77	ug/Kg	*		10/29/14 00:29	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	*		10/29/14 00:29	1
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg	*		10/29/14 00:29	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	*		10/29/14 00:29	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	*		10/29/14 00:29	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	*		10/29/14 00:29	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	*		10/29/14 00:29	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	*		10/29/14 00:29	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	*		10/29/14 00:29	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	*		10/29/14 00:29	1
Methylene Chloride	6.2	cn	5.5	1.5	ug/Kg	*		10/29/14 00:29	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		10/29/14 00:29	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	*		10/29/14 00:29	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg	*		10/29/14 00:29	1
Styrene	<5.5		5.5	0.72	ug/Kg	*		10/29/14 00:29	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	*		10/29/14 00:29	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	*		10/29/14 00:29	1
Toluene	<5.5		5.5	0.77	ug/Kg	*		10/29/14 00:29	1
trans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg	*		10/29/14 00:29	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	*		10/29/14 00:29	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	*		10/29/14 00:29	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	*		10/29/14 00:29	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg	*		10/29/14 00:29	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	*		10/29/14 00:29	1
Xylenes, Total	<11		11	0.50	ug/Kg	*		10/29/14 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		10/29/14 00:29	1
Dibromofluoromethane	96		75 - 120		10/29/14 00:29	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/29/14 00:29	1
Toluene-d8 (Surr)	101		75 - 122		10/29/14 00:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	*	10/27/14 07:32	11/05/14 09:41	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	*	10/27/14 07:32	11/05/14 09:41	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	*	10/27/14 07:32	11/05/14 09:41	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	*	10/27/14 07:32	11/05/14 09:41	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	*	10/27/14 07:32	11/05/14 09:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(0-5)-102314

Lab Sample ID: 500-86633-3

Date Collected: 10/23/14 14:25

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2,4-Dinitrophenol	<690		690	600	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2-Methylnaphthalene	8.5	J	34	6.3	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2-Methylphenol	<170		170	55	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
4-Nitrophenol	<690	*	690	330	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Anthracene	20	J	34	5.7	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Benzo[a]anthracene	86		34	4.6	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Benzo[a]pyrene	71		34	6.6	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Benzo[b]fluoranthene	90		34	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Benzo[g,h,i]perylene	58		34	11	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Benzo[k]fluoranthene	39		34	10	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Carbazole	<170		170	89	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Chrysene	85		34	9.4	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Dibenz(a,h)anthracene	15	J *	34	6.6	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Dibenzofuran	<170		170	40	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Fluoranthene	140		34	6.4	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Fluorene	7.8	J	34	4.8	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Hexachlorobenzene	<69		69	7.9	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Hexachloroethane	<170		170	52	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(0-5)-102314

Lab Sample ID: 500-86633-3

Date Collected: 10/23/14 14:25

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	49	*	34	8.9	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Isophorone	<170		170	39	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Naphthalene	19	J	34	5.3	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Phenanthrene	82		34	4.8	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Phenol	<170		170	76	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Pyrene	160		34	6.8	ug/Kg	☼	10/27/14 07:32	11/05/14 09:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		35 - 137				10/27/14 07:32	11/05/14 09:41	1
2-Fluorobiphenyl	63		25 - 119				10/27/14 07:32	11/05/14 09:41	1
2-Fluorophenol	58		25 - 110				10/27/14 07:32	11/05/14 09:41	1
Nitrobenzene-d5	52		25 - 115				10/27/14 07:32	11/05/14 09:41	1
Phenol-d5	61		31 - 110				10/27/14 07:32	11/05/14 09:41	1
Terphenyl-d14	94		36 - 134				10/27/14 07:32	11/05/14 09:41	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		11/06/14 07:00	11/06/14 16:28	1
Barium	0.27	J	0.50	0.050	mg/L		11/06/14 07:00	11/06/14 16:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 16:28	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 16:28	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:28	1
Cobalt	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:28	1
Copper	0.011	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:28	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 16:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 16:28	1
Manganese	0.61		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:28	1
Nickel	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:28	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 16:28	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:28	1
Zinc	0.34	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1
Barium	0.25	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:02	1
Chromium	0.011	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1
Copper	0.029		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1
Iron	3.1		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:02	1
Lead	0.018		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:02	1
Manganese	0.043		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(0-5)-102314

Lab Sample ID: 500-86633-3

Date Collected: 10/23/14 14:25

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.26		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:02	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	☼	11/05/14 10:20	11/08/14 06:00	1
Arsenic	4.2		0.55	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Barium	23		0.55	0.058	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Beryllium	0.22		0.22	0.044	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Cadmium	0.062	J	0.11	0.014	mg/Kg	☼	11/05/14 10:20	11/09/14 08:47	1
Calcium	7300		11	3.0	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Chromium	5.6	B	0.55	0.063	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Cobalt	2.5		0.27	0.055	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Copper	18		0.55	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Iron	5500		11	4.5	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Lead	19	B	0.27	0.081	mg/Kg	☼	11/05/14 10:20	11/09/14 08:47	1
Magnesium	2900		5.5	1.1	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Manganese	89		0.55	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Nickel	5.2		0.55	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Potassium	380		27	1.6	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Selenium	0.51	J	0.55	0.19	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Sodium	290		55	7.3	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Thallium	0.29	J	0.55	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Vanadium	11		0.27	0.040	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1
Zinc	23	B	1.1	0.22	mg/Kg	☼	11/05/14 10:20	11/08/14 06:00	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 17:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 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		10/31/14 11:55	11/03/14 11:11	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	70		17	6.7	ug/Kg	☼	10/29/14 13:30	10/30/14 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.52		0.200	0.200	SU			11/04/14 13:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(5-10)-102314

Lab Sample ID: 500-86633-4

Date Collected: 10/23/14 14:32

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 84.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	*		10/29/14 00:53	1
Benzene	<5.9		5.9	0.81	ug/Kg	*		10/29/14 00:53	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	*		10/29/14 00:53	1
Bromoform	<5.9		5.9	1.4	ug/Kg	*		10/29/14 00:53	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	*		10/29/14 00:53	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	*		10/29/14 00:53	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	*		10/29/14 00:53	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	*		10/29/14 00:53	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	*		10/29/14 00:53	1
Chloroform	<5.9		5.9	0.68	ug/Kg	*		10/29/14 00:53	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	*		10/29/14 00:53	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	*		10/29/14 00:53	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	*		10/29/14 00:53	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	*		10/29/14 00:53	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	*		10/29/14 00:53	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	*		10/29/14 00:53	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	*		10/29/14 00:53	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	*		10/29/14 00:53	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	*		10/29/14 00:53	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	*		10/29/14 00:53	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	*		10/29/14 00:53	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	*		10/29/14 00:53	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	*		10/29/14 00:53	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	*		10/29/14 00:53	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	*		10/29/14 00:53	1
Styrene	<5.9		5.9	0.77	ug/Kg	*		10/29/14 00:53	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	*		10/29/14 00:53	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	*		10/29/14 00:53	1
Toluene	<5.9		5.9	0.83	ug/Kg	*		10/29/14 00:53	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	*		10/29/14 00:53	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	*		10/29/14 00:53	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	*		10/29/14 00:53	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	*		10/29/14 00:53	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	*		10/29/14 00:53	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	*		10/29/14 00:53	1
Xylenes, Total	<12		12	0.53	ug/Kg	*		10/29/14 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		10/29/14 00:53	1
Dibromofluoromethane	95		75 - 120		10/29/14 00:53	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/29/14 00:53	1
Toluene-d8 (Surr)	99		75 - 122		10/29/14 00:53	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	*	10/27/14 07:32	11/05/14 12:07	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	*	10/27/14 07:32	11/05/14 12:07	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	*	10/27/14 07:32	11/05/14 12:07	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	*	10/27/14 07:32	11/05/14 12:07	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	*	10/27/14 07:32	11/05/14 12:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(5-10)-102314

Lab Sample ID: 500-86633-4

Date Collected: 10/23/14 14:32

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Anthracene	<38		38	6.5	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Benzo[g,h,i]perylene	22	J	38	12	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Carbazole	<190		190	100	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Chrysene	14	J	38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Dibenz(a,h)anthracene	<38	*	38	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(5-10)-102314

Lab Sample ID: 500-86633-4

Date Collected: 10/23/14 14:32

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38	*	38	10	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Isophorone	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Naphthalene	20	J	38	6.0	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Phenol	<190		190	86	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Pyrene	<38		38	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 12:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	117		35 - 137				10/27/14 07:32	11/05/14 12:07	1
2-Fluorobiphenyl	72		25 - 119				10/27/14 07:32	11/05/14 12:07	1
2-Fluorophenol	68		25 - 110				10/27/14 07:32	11/05/14 12:07	1
Nitrobenzene-d5	63		25 - 115				10/27/14 07:32	11/05/14 12:07	1
Phenol-d5	67		31 - 110				10/27/14 07:32	11/05/14 12:07	1
Terphenyl-d14	122		36 - 134				10/27/14 07:32	11/05/14 12:07	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		11/06/14 07:00	11/06/14 16:34	1
Barium	0.38	J	0.50	0.050	mg/L		11/06/14 07:00	11/06/14 16:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 16:34	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 16:34	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:34	1
Cobalt	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:34	1
Copper	0.011	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:34	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 16:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 16:34	1
Manganese	0.36		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:34	1
Nickel	0.018	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:34	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 16:34	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:34	1
Zinc	0.18	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 16:34	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		10/31/14 09:15	11/01/14 09:08	1
Barium	0.25	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:08	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:08	1
Copper	0.068		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:08	1
Iron	0.95		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:08	1
Lead	0.012		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:08	1
Manganese	0.013	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:08	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:08	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(5-10)-102314

Lab Sample ID: 500-86633-4

Date Collected: 10/23/14 14:32

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.26		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:08	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	☼	11/05/14 10:20	11/08/14 06:06	1
Arsenic	8.3		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Barium	36		0.58	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Beryllium	0.42		0.23	0.047	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Cadmium	0.17		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 08:53	1
Calcium	48000		12	3.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Chromium	11	B	0.58	0.068	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Cobalt	6.4		0.29	0.058	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Copper	17		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Iron	16000		12	4.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Lead	8.2	B	0.29	0.087	mg/Kg	☼	11/05/14 10:20	11/09/14 08:53	1
Magnesium	30000		5.8	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Manganese	390		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Nickel	17		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Potassium	1600		29	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Silver	0.11	J	0.29	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Sodium	460		58	7.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Thallium	0.64		0.58	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Vanadium	19		0.29	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1
Zinc	24	B	1.2	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 06:06	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 17:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 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		10/31/14 11:55	11/03/14 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		19	7.6	ug/Kg	☼	10/29/14 13:30	10/30/14 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.56		0.200	0.200	SU			11/04/14 13:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(10-15)-102314

Lab Sample ID: 500-86633-5

Date Collected: 10/23/14 14:40

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.7	ug/Kg	☼		10/29/14 01:17	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		10/29/14 01:17	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 01:17	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/29/14 01:17	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		10/29/14 01:17	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		10/29/14 01:17	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 01:17	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		10/29/14 01:17	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		10/29/14 01:17	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		10/29/14 01:17	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/29/14 01:17	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		10/29/14 01:17	1
cis-1,3-Dichloropropene	<6.1		6.1	0.81	ug/Kg	☼		10/29/14 01:17	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 01:17	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		10/29/14 01:17	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/29/14 01:17	1
1,1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		10/29/14 01:17	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		10/29/14 01:17	1
1,3-Dichloropropene, Total	<6.1		6.1	0.81	ug/Kg	☼		10/29/14 01:17	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/29/14 01:17	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		10/29/14 01:17	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		10/29/14 01:17	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/29/14 01:17	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/29/14 01:17	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 01:17	1
Styrene	<6.1		6.1	0.81	ug/Kg	☼		10/29/14 01:17	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/29/14 01:17	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		10/29/14 01:17	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		10/29/14 01:17	1
trans-1,2-Dichloroethene	<6.1		6.1	0.85	ug/Kg	☼		10/29/14 01:17	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 01:17	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		10/29/14 01:17	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		10/29/14 01:17	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 01:17	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/29/14 01:17	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		10/29/14 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		10/29/14 01:17	1
Dibromofluoromethane	95		75 - 120		10/29/14 01:17	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134		10/29/14 01:17	1
Toluene-d8 (Surr)	102		75 - 122		10/29/14 01:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(10-15)-102314

Lab Sample ID: 500-86633-5

Date Collected: 10/23/14 14:40

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
4-Nitrophenol	<770 *		770	370	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Benzo[g,h,i]perylene	15 J		38	12	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Carbazole	<190		190	99	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Chrysene	21 J		38	10	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(10-15)-102314

Lab Sample ID: 500-86633-5

Date Collected: 10/23/14 14:40

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38	*	38	10	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Isophorone	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Naphthalene	36	J	38	5.9	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Phenanthrene	89		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Phenol	<190		190	85	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/27/14 07:32	11/05/14 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		35 - 137				10/27/14 07:32	11/05/14 12:28	1
2-Fluorobiphenyl	59		25 - 119				10/27/14 07:32	11/05/14 12:28	1
2-Fluorophenol	55		25 - 110				10/27/14 07:32	11/05/14 12:28	1
Nitrobenzene-d5	34		25 - 115				10/27/14 07:32	11/05/14 12:28	1
Phenol-d5	52		31 - 110				10/27/14 07:32	11/05/14 12:28	1
Terphenyl-d14	74		36 - 134				10/27/14 07:32	11/05/14 12:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Barium	0.22	J	0.50	0.050	mg/L		11/06/14 07:00	11/06/14 16:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 16:55	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 16:55	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Cobalt	0.034		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Copper	0.017	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 16:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 16:55	1
Manganese	1.6		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Nickel	0.081		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 16:55	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 16:55	1
Zinc	0.18	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1
Barium	0.23	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1
Copper	0.031		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1
Iron	<0.20		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:14	1
Manganese	0.059		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(10-15)-102314

Lab Sample ID: 500-86633-5

Date Collected: 10/23/14 14:40

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.23		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:14	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	☼	11/05/14 10:20	11/08/14 06:12	1
Arsenic	7.7		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Barium	30		0.58	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Beryllium	0.62		0.23	0.046	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Cadmium	0.12		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 08:59	1
Calcium	27000		12	3.1	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Chromium	17	B	0.58	0.067	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Cobalt	12		0.29	0.058	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Copper	32		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Iron	20000		12	4.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Lead	13	B	0.29	0.086	mg/Kg	☼	11/05/14 10:20	11/09/14 08:59	1
Magnesium	17000		5.8	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Manganese	300		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Nickel	33		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Potassium	3000		29	1.7	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Selenium	0.68		0.58	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Silver	0.13	J	0.29	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Sodium	370		58	7.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Thallium	1.4		0.58	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Vanadium	17		0.29	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1
Zinc	37	B	1.2	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 06:12	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 17:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 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		10/31/14 11:55	11/03/14 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	6.9	ug/Kg	☼	10/29/14 13:30	10/30/14 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.42		0.200	0.200	SU			11/04/14 13:32	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(15-20)-102314

Lab Sample ID: 500-86633-6

Date Collected: 10/23/14 14:55

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 76.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.7		6.5	2.8	ug/Kg	☼		10/29/14 01:41	1
Benzene	<6.5		6.5	0.89	ug/Kg	☼		10/29/14 01:41	1
Bromodichloromethane	<6.5		6.5	1.1	ug/Kg	☼		10/29/14 01:41	1
Bromoform	<6.5		6.5	1.5	ug/Kg	☼		10/29/14 01:41	1
Bromomethane	<6.5		6.5	2.0	ug/Kg	☼		10/29/14 01:41	1
Carbon disulfide	<6.5		6.5	0.97	ug/Kg	☼		10/29/14 01:41	1
Carbon tetrachloride	<6.5		6.5	1.2	ug/Kg	☼		10/29/14 01:41	1
Chlorobenzene	<6.5		6.5	0.66	ug/Kg	☼		10/29/14 01:41	1
Chloroethane	<6.5		6.5	1.8	ug/Kg	☼		10/29/14 01:41	1
Chloroform	<6.5		6.5	0.75	ug/Kg	☼		10/29/14 01:41	1
Chloromethane	<6.5		6.5	1.4	ug/Kg	☼		10/29/14 01:41	1
cis-1,2-Dichloroethene	<6.5		6.5	0.92	ug/Kg	☼		10/29/14 01:41	1
cis-1,3-Dichloropropene	<6.5		6.5	0.85	ug/Kg	☼		10/29/14 01:41	1
Dibromochloromethane	<6.5		6.5	1.1	ug/Kg	☼		10/29/14 01:41	1
1,1-Dichloroethane	<6.5		6.5	1.0	ug/Kg	☼		10/29/14 01:41	1
1,2-Dichloroethane	<6.5		6.5	0.96	ug/Kg	☼		10/29/14 01:41	1
1,1-Dichloroethene	<6.5		6.5	1.1	ug/Kg	☼		10/29/14 01:41	1
1,2-Dichloropropane	<6.5		6.5	0.99	ug/Kg	☼		10/29/14 01:41	1
1,3-Dichloropropene, Total	<6.5		6.5	0.85	ug/Kg	☼		10/29/14 01:41	1
Ethylbenzene	<6.5		6.5	1.3	ug/Kg	☼		10/29/14 01:41	1
2-Hexanone	<6.5		6.5	1.9	ug/Kg	☼		10/29/14 01:41	1
Methylene Chloride	6.9	cn	6.5	1.8	ug/Kg	☼		10/29/14 01:41	1
Methyl Ethyl Ketone	<6.5		6.5	2.4	ug/Kg	☼		10/29/14 01:41	1
methyl isobutyl ketone	<6.5		6.5	1.7	ug/Kg	☼		10/29/14 01:41	1
Methyl tert-butyl ether	<6.5		6.5	1.1	ug/Kg	☼		10/29/14 01:41	1
Styrene	<6.5		6.5	0.85	ug/Kg	☼		10/29/14 01:41	1
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.3	ug/Kg	☼		10/29/14 01:41	1
Tetrachloroethene	<6.5		6.5	0.99	ug/Kg	☼		10/29/14 01:41	1
Toluene	<6.5		6.5	0.91	ug/Kg	☼		10/29/14 01:41	1
trans-1,2-Dichloroethene	<6.5		6.5	0.89	ug/Kg	☼		10/29/14 01:41	1
trans-1,3-Dichloropropene	<6.5		6.5	1.2	ug/Kg	☼		10/29/14 01:41	1
1,1,1-Trichloroethane	<6.5		6.5	0.97	ug/Kg	☼		10/29/14 01:41	1
1,1,2-Trichloroethane	<6.5		6.5	0.89	ug/Kg	☼		10/29/14 01:41	1
Trichloroethene	<6.5		6.5	1.1	ug/Kg	☼		10/29/14 01:41	1
Vinyl chloride	<6.5		6.5	1.4	ug/Kg	☼		10/29/14 01:41	1
Xylenes, Total	<13		13	0.59	ug/Kg	☼		10/29/14 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		10/29/14 01:41	1
Dibromofluoromethane	97		75 - 120		10/29/14 01:41	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/29/14 01:41	1
Toluene-d8 (Surr)	101		75 - 122		10/29/14 01:41	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	☼	10/27/14 07:32	11/05/14 12:49	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(15-20)-102314

Lab Sample ID: 500-86633-6

Date Collected: 10/23/14 14:55

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 76.9

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	☼	10/27/14 07:32	11/05/14 12:49	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2-Methylnaphthalene	22	J	41	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2-Methylphenol	<210		210	66	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
4-Nitrophenol	<830	*	830	390	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Anthracene	<41		41	6.8	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Benzo[a]anthracene	32	J	41	5.5	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Benzo[b]fluoranthene	26	J	41	8.8	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Benzo[g,h,i]perylene	46		41	13	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Carbazole	<210		210	110	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Chrysene	47		41	11	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Dibenz(a,h)anthracene	<41	*	41	7.9	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Dibenzofuran	<210		210	48	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Fluoranthene	44		41	7.6	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Fluorene	11	J	41	5.8	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Hexachloroethane	<210		210	62	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(15-20)-102314

Lab Sample ID: 500-86633-6

Date Collected: 10/23/14 14:55

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 76.9

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	<41	*	41	11	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Isophorone	<210		210	46	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Naphthalene	36	J	41	6.3	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Nitrobenzene	<41		41	10	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
N-Nitrosodi-n-propylamine	<210		210	50	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Phenanthrene	120		41	5.7	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Phenol	<210		210	91	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Pyrene	59		41	8.1	ug/Kg	☼	10/27/14 07:32	11/05/14 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		35 - 137				10/27/14 07:32	11/05/14 12:49	1
2-Fluorobiphenyl	60		25 - 119				10/27/14 07:32	11/05/14 12:49	1
2-Fluorophenol	61		25 - 110				10/27/14 07:32	11/05/14 12:49	1
Nitrobenzene-d5	50		25 - 115				10/27/14 07:32	11/05/14 12:49	1
Phenol-d5	58		31 - 110				10/27/14 07:32	11/05/14 12:49	1
Terphenyl-d14	97		36 - 134				10/27/14 07:32	11/05/14 12:49	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Barium	0.66		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:02	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:02	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Cobalt	0.023	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Copper	0.012	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:02	1
Manganese	2.3		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Nickel	0.054		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:02	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:02	1
Zinc	0.19	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:02	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		10/31/14 09:15	11/01/14 09:20	1
Barium	0.25	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:20	1
Copper	0.10		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:20	1
Iron	0.88		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:20	1
Lead	0.019		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:20	1
Manganese	0.058		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:20	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-15(15-20)-102314

Lab Sample ID: 500-86633-6

Date Collected: 10/23/14 14:55

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.28		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:20	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	☼	11/05/14 10:20	11/08/14 06:18	1
Arsenic	6.7		0.61	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Barium	42		0.61	0.065	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Beryllium	0.67		0.24	0.049	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Cadmium	0.089	J	0.12	0.016	mg/Kg	☼	11/05/14 10:20	11/09/14 09:20	1
Calcium	34000		12	3.3	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Chromium	19	B	0.61	0.071	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Cobalt	11		0.31	0.061	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Copper	27		0.61	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Iron	19000		12	5.0	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Lead	13	B	0.31	0.091	mg/Kg	☼	11/05/14 10:20	11/09/14 09:20	1
Magnesium	21000		6.1	1.3	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Manganese	320		0.61	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Nickel	30		0.61	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Potassium	3400		31	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Selenium	0.63		0.61	0.22	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Silver	0.13	J	0.31	0.022	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Sodium	280		61	8.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Thallium	1.2		0.61	0.26	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Vanadium	20		0.31	0.045	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1
Zinc	40	B	1.2	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 06:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:02	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		11/05/14 10:30	11/06/14 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	19	7.5	ug/Kg	☼	10/29/14 13:30	10/30/14 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.66		0.200	0.200	SU			11/04/14 13:35	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(0-5)-102314

Lab Sample ID: 500-86633-7

Date Collected: 10/23/14 15:35

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 82.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		10/29/14 02:05	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		10/29/14 02:05	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 02:05	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/29/14 02:05	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		10/29/14 02:05	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		10/29/14 02:05	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 02:05	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		10/29/14 02:05	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		10/29/14 02:05	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		10/29/14 02:05	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/29/14 02:05	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		10/29/14 02:05	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		10/29/14 02:05	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 02:05	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		10/29/14 02:05	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		10/29/14 02:05	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		10/29/14 02:05	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		10/29/14 02:05	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		10/29/14 02:05	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/29/14 02:05	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		10/29/14 02:05	1
Methylene Chloride	8.1	cn	6.1	1.6	ug/Kg	☼		10/29/14 02:05	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/29/14 02:05	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/29/14 02:05	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 02:05	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		10/29/14 02:05	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/29/14 02:05	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		10/29/14 02:05	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		10/29/14 02:05	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		10/29/14 02:05	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 02:05	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/29/14 02:05	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		10/29/14 02:05	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 02:05	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/29/14 02:05	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		10/29/14 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		10/29/14 02:05	1
Dibromofluoromethane	96		75 - 120		10/29/14 02:05	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		10/29/14 02:05	1
Toluene-d8 (Surr)	100		75 - 122		10/29/14 02:05	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	42	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(0-5)-102314

Lab Sample ID: 500-86633-7

Date Collected: 10/23/14 15:35

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2-Methylnaphthalene	9.3	J	38	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Acenaphthene	12	J	38	6.9	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Anthracene	37	J	38	6.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Benzo[a]anthracene	190		38	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Benzo[a]pyrene	180		38	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Benzo[b]fluoranthene	230		38	8.3	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Benzo[g,h,i]perylene	160		38	12	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Benzo[k]fluoranthene	120		38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Carbazole	<190		190	100	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Chrysene	230		38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Dibenz(a,h)anthracene	31	J *	38	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Fluoranthene	310		38	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Fluorene	13	J	38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(0-5)-102314

Lab Sample ID: 500-86633-7

Date Collected: 10/23/14 15:35

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	110	*	38	10	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Isophorone	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Naphthalene	21	J	38	5.9	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Phenanthrene	170		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Phenol	<190		190	86	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Pyrene	470		38	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 10:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	123		35 - 137				10/27/14 07:32	11/05/14 10:43	1
2-Fluorobiphenyl	73		25 - 119				10/27/14 07:32	11/05/14 10:43	1
2-Fluorophenol	74		25 - 110				10/27/14 07:32	11/05/14 10:43	1
Nitrobenzene-d5	64		25 - 115				10/27/14 07:32	11/05/14 10:43	1
Phenol-d5	70		31 - 110				10/27/14 07:32	11/05/14 10:43	1
Terphenyl-d14	126		36 - 134				10/27/14 07:32	11/05/14 10:43	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		11/06/14 07:00	11/06/14 17:08	1
Barium	0.49	J	0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:08	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:08	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:08	1
Cobalt	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:08	1
Copper	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:08	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:08	1
Lead	0.013		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:08	1
Manganese	2.5		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:08	1
Nickel	0.020	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:08	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:08	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:08	1
Zinc	0.21	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1
Barium	0.38	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:27	1
Chromium	0.016	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1
Copper	0.095		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1
Iron	11		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:27	1
Lead	0.055		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:27	1
Manganese	0.21		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1
Nickel	0.016	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(0-5)-102314

Lab Sample ID: 500-86633-7

Date Collected: 10/23/14 15:35

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.36		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:27	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	☼	11/05/14 10:20	11/08/14 06:25	1
Arsenic	8.6		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Barium	37		0.59	0.063	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Beryllium	0.68		0.23	0.047	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Cadmium	0.17		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 09:26	1
Calcium	16000		12	3.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Chromium	16	B	0.59	0.068	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Cobalt	8.6		0.29	0.059	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Copper	34		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Iron	19000		12	4.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Lead	40	B	0.29	0.087	mg/Kg	☼	11/05/14 10:20	11/09/14 09:26	1
Magnesium	10000		5.9	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Manganese	240		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Nickel	24		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Potassium	2200		29	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Selenium	0.97		0.59	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Silver	0.089	J	0.29	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Sodium	700		59	7.9	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Thallium	1.2		0.59	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Vanadium	19		0.29	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1
Zinc	59	B	1.2	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 06:25	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	61		19	7.6	ug/Kg	☼	10/29/14 13:30	10/30/14 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.46		0.200	0.200	SU			11/04/14 13:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(5-10)-102314

Lab Sample ID: 500-86633-8

Date Collected: 10/23/14 15:42

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 83.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		10/29/14 02:29	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		10/29/14 02:29	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/29/14 02:29	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		10/29/14 02:29	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		10/29/14 02:29	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		10/29/14 02:29	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		10/29/14 02:29	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		10/29/14 02:29	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		10/29/14 02:29	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		10/29/14 02:29	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		10/29/14 02:29	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		10/29/14 02:29	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		10/29/14 02:29	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		10/29/14 02:29	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		10/29/14 02:29	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		10/29/14 02:29	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		10/29/14 02:29	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		10/29/14 02:29	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		10/29/14 02:29	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		10/29/14 02:29	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		10/29/14 02:29	1
Methylene Chloride	6.8	cn	6.0	1.6	ug/Kg	☼		10/29/14 02:29	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		10/29/14 02:29	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		10/29/14 02:29	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		10/29/14 02:29	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		10/29/14 02:29	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		10/29/14 02:29	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		10/29/14 02:29	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		10/29/14 02:29	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		10/29/14 02:29	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		10/29/14 02:29	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		10/29/14 02:29	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		10/29/14 02:29	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		10/29/14 02:29	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		10/29/14 02:29	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		10/29/14 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		10/29/14 02:29	1
Dibromofluoromethane	97		75 - 120		10/29/14 02:29	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/29/14 02:29	1
Toluene-d8 (Surr)	101		75 - 122		10/29/14 02:29	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	☼	10/27/14 07:32	11/05/14 13:10	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(5-10)-102314

Lab Sample ID: 500-86633-8

Date Collected: 10/23/14 15:42

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2-Methylnaphthalene	35	J	39	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2-Methylphenol	<200		200	62	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Benzo[g,h,i]perylene	18	J	39	13	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Carbazole	<200		200	100	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Chrysene	25	J	39	11	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Dibenz(a,h)anthracene	<39	*	39	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(5-10)-102314

Lab Sample ID: 500-86633-8

Date Collected: 10/23/14 15:42

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39	*	39	10	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Isophorone	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Naphthalene	38	J	39	6.0	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Pentachlorophenol	<790		790	620	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Phenanthrene	70		39	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Phenol	<200		200	87	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Pyrene	<39		39	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		35 - 137				10/27/14 07:32	11/05/14 13:10	1
2-Fluorobiphenyl	62		25 - 119				10/27/14 07:32	11/05/14 13:10	1
2-Fluorophenol	61		25 - 110				10/27/14 07:32	11/05/14 13:10	1
Nitrobenzene-d5	51		25 - 115				10/27/14 07:32	11/05/14 13:10	1
Phenol-d5	64		31 - 110				10/27/14 07:32	11/05/14 13:10	1
Terphenyl-d14	102		36 - 134				10/27/14 07:32	11/05/14 13:10	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Barium	0.64		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:14	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:14	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Cobalt	0.016	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Copper	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:14	1
Manganese	1.7		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Nickel	0.046		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:14	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:14	1
Zinc	0.18	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1
Barium	0.29	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:33	1
Chromium	0.010	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1
Copper	0.041		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1
Iron	2.2		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:33	1
Manganese	0.16		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1
Nickel	0.012	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(5-10)-102314

Lab Sample ID: 500-86633-8

Date Collected: 10/23/14 15:42

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.25		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:33	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	☼	11/05/14 10:20	11/08/14 06:31	1
Arsenic	8.0		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Barium	29		0.58	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Beryllium	0.50		0.23	0.046	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Cadmium	0.16		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 09:33	1
Calcium	45000		12	3.1	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Chromium	14	B	0.58	0.067	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Cobalt	10		0.29	0.058	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Copper	34		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Iron	18000		12	4.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Lead	13	B	0.29	0.086	mg/Kg	☼	11/05/14 10:20	11/09/14 09:33	1
Magnesium	26000		5.8	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Manganese	370		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Nickel	28		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Potassium	2500		29	1.7	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Selenium	0.57	J	0.58	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Silver	0.13	J	0.29	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Sodium	580		58	7.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Thallium	1.2		0.58	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Vanadium	15		0.29	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1
Zinc	34	B	1.2	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 06:31	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.3	J	18	7.1	ug/Kg	☼	10/29/14 13:30	10/30/14 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.91		0.200	0.200	SU			11/04/14 13:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314

Lab Sample ID: 500-86633-9

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 80.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		10/29/14 02:53	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		10/29/14 02:53	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 02:53	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		10/29/14 02:53	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		10/29/14 02:53	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		10/29/14 02:53	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 02:53	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		10/29/14 02:53	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		10/29/14 02:53	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		10/29/14 02:53	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		10/29/14 02:53	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		10/29/14 02:53	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		10/29/14 02:53	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 02:53	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		10/29/14 02:53	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		10/29/14 02:53	1
1,1,1-Dichloroethane	<6.2		6.2	1.0	ug/Kg	☼		10/29/14 02:53	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		10/29/14 02:53	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		10/29/14 02:53	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		10/29/14 02:53	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		10/29/14 02:53	1
Methylene Chloride	6.3	cn	6.2	1.7	ug/Kg	☼		10/29/14 02:53	1
Methyl Ethyl Ketone	<6.2		6.2	2.3	ug/Kg	☼		10/29/14 02:53	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		10/29/14 02:53	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		10/29/14 02:53	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		10/29/14 02:53	1
1,1,1,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		10/29/14 02:53	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		10/29/14 02:53	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		10/29/14 02:53	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		10/29/14 02:53	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 02:53	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		10/29/14 02:53	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		10/29/14 02:53	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		10/29/14 02:53	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		10/29/14 02:53	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		10/29/14 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122		10/29/14 02:53	1
Dibromofluoromethane	97		75 - 120		10/29/14 02:53	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		10/29/14 02:53	1
Toluene-d8 (Surr)	100		75 - 122		10/29/14 02:53	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	☼	10/27/14 07:32	11/05/14 13:31	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314

Lab Sample ID: 500-86633-9

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2-Methylnaphthalene	36	J	40	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Anthracene	<40		40	6.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Benzo[g,h,i]perylene	28	J	40	13	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Carbazole	<200		200	100	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Chrysene	27	J	40	11	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Dibenz(a,h)anthracene	<40	*	40	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Fluorene	<40		40	5.6	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314

Lab Sample ID: 500-86633-9

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40	*	40	10	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Isophorone	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Naphthalene	32	J	40	6.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Nitrobenzene	<40		40	10	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Phenanthrene	77		40	5.6	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Phenol	<200		200	89	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Pyrene	<40		40	8.0	ug/Kg	☼	10/27/14 07:32	11/05/14 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				10/27/14 07:32	11/05/14 13:31	1
2-Fluorobiphenyl	58		25 - 119				10/27/14 07:32	11/05/14 13:31	1
2-Fluorophenol	66		25 - 110				10/27/14 07:32	11/05/14 13:31	1
Nitrobenzene-d5	53		25 - 115				10/27/14 07:32	11/05/14 13:31	1
Phenol-d5	63		31 - 110				10/27/14 07:32	11/05/14 13:31	1
Terphenyl-d14	94		36 - 134				10/27/14 07:32	11/05/14 13:31	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Barium	0.71		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:20	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:20	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Cobalt	0.013	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Copper	0.012	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:20	1
Manganese	1.9		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Nickel	0.038		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:20	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:20	1
Zinc	0.16	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1
Barium	0.37	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 09:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 09:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 09:39	1
Chromium	0.012	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1
Copper	0.031		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1
Iron	1.9		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 09:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 09:39	1
Manganese	0.18		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1
Nickel	0.010	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 09:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314

Lab Sample ID: 500-86633-9

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.30		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 09:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Arsenic	7.3		0.60	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Barium	36		0.60	0.064	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Beryllium	0.55		0.24	0.048	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Cadmium	0.18		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 09:39	1
Calcium	42000		12	3.3	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Chromium	15	B	0.60	0.070	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Cobalt	9.8		0.30	0.060	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Copper	28		0.60	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Iron	18000		12	4.9	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Lead	11	B	0.30	0.090	mg/Kg	☼	11/05/14 10:20	11/09/14 09:39	1
Magnesium	23000		6.0	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Manganese	320		0.60	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Nickel	27		0.60	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Potassium	2800		30	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Selenium	0.60		0.60	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Silver	0.13	J	0.30	0.022	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Sodium	240		60	8.1	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Thallium	1.2		0.60	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Vanadium	17		0.30	0.045	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1
Zinc	47	B	1.2	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 06:52	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<20		20	7.8	ug/Kg	☼	10/29/14 13:30	10/30/14 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12		0.200	0.200	SU			11/04/14 13:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314D

Lab Sample ID: 500-86633-10

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.7	ug/Kg	☼		10/29/14 03:17	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		10/29/14 03:17	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 03:17	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		10/29/14 03:17	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		10/29/14 03:17	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		10/29/14 03:17	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 03:17	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		10/29/14 03:17	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		10/29/14 03:17	1
Chloroform	<6.1		6.1	0.71	ug/Kg	☼		10/29/14 03:17	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		10/29/14 03:17	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		10/29/14 03:17	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		10/29/14 03:17	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 03:17	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		10/29/14 03:17	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		10/29/14 03:17	1
1,1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		10/29/14 03:17	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		10/29/14 03:17	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		10/29/14 03:17	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		10/29/14 03:17	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		10/29/14 03:17	1
Methylene Chloride	8.8	cn	6.1	1.7	ug/Kg	☼		10/29/14 03:17	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		10/29/14 03:17	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		10/29/14 03:17	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 03:17	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		10/29/14 03:17	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		10/29/14 03:17	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		10/29/14 03:17	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		10/29/14 03:17	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		10/29/14 03:17	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		10/29/14 03:17	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		10/29/14 03:17	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		10/29/14 03:17	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		10/29/14 03:17	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		10/29/14 03:17	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		10/29/14 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		10/29/14 03:17	1
Dibromofluoromethane	90		75 - 120		10/29/14 03:17	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 134		10/29/14 03:17	1
Toluene-d8 (Surr)	104		75 - 122		10/29/14 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314D

Lab Sample ID: 500-86633-10

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.5

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	88	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2-Methylnaphthalene	43		38	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
4-Nitrophenol	<780 *		780	370	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Carbazole	<190		190	99	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Chrysene	24 J		38	11	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Dibenz(a,h)anthracene	<38 *		38	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314D

Lab Sample ID: 500-86633-10

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38	*	38	10	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Isophorone	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Phenanthrene	86		38	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Phenol	<190		190	86	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Pyrene	<38		38	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 11:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		35 - 137				10/27/14 07:32	11/05/14 11:04	1
2-Fluorobiphenyl	58		25 - 119				10/27/14 07:32	11/05/14 11:04	1
2-Fluorophenol	63		25 - 110				10/27/14 07:32	11/05/14 11:04	1
Nitrobenzene-d5	53		25 - 115				10/27/14 07:32	11/05/14 11:04	1
Phenol-d5	64		31 - 110				10/27/14 07:32	11/05/14 11:04	1
Terphenyl-d14	102		36 - 134				10/27/14 07:32	11/05/14 11:04	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		11/06/14 07:00	11/06/14 17:27	1
Barium	0.60		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:27	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:27	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:27	1
Cobalt	0.011	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:27	1
Copper	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:27	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:27	1
Manganese	1.6		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:27	1
Nickel	0.034		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:27	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:27	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:27	1
Zinc	0.16	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1
Barium	0.33	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1
Copper	0.066		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1
Iron	2.2		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:00	1
Lead	0.011		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:00	1
Manganese	0.20		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1
Nickel	0.013	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(10-15)-102314D

Lab Sample ID: 500-86633-10

Date Collected: 10/23/14 15:52

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.27		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:00	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	☼	11/05/14 10:20	11/08/14 06:58	1
Arsenic	7.8		0.56	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Barium	33		0.56	0.060	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Beryllium	0.53		0.22	0.045	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Cadmium	0.14		0.11	0.014	mg/Kg	☼	11/05/14 10:20	11/09/14 09:45	1
Calcium	43000		11	3.0	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Chromium	15	B	0.56	0.065	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Cobalt	9.9		0.28	0.056	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Copper	31		0.56	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Iron	18000		11	4.6	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Lead	12	B	0.28	0.084	mg/Kg	☼	11/05/14 10:20	11/09/14 09:45	1
Magnesium	24000		5.6	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Manganese	340		0.56	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Nickel	27		0.56	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Potassium	2700		28	1.7	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Selenium	0.50	J	0.56	0.20	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Silver	0.11	J	0.28	0.020	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Sodium	240		56	7.5	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Thallium	1.4		0.56	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Vanadium	17		0.28	0.042	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1
Zinc	38	B	1.1	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 06:58	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<19		19	7.6	ug/Kg	☼	10/29/14 13:30	10/30/14 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.99		0.200	0.200	SU			11/04/14 13:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(15-20)-102314

Lab Sample ID: 500-86633-11

Date Collected: 10/23/14 16:02

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	*		10/29/14 03:41	1
Benzene	<6.2		6.2	0.84	ug/Kg	*		10/29/14 03:41	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	*		10/29/14 03:41	1
Bromoform	<6.2		6.2	1.4	ug/Kg	*		10/29/14 03:41	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	*		10/29/14 03:41	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	*		10/29/14 03:41	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	*		10/29/14 03:41	1
Chlorobenzene	<6.2		6.2	0.62	ug/Kg	*		10/29/14 03:41	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	*		10/29/14 03:41	1
Chloroform	<6.2		6.2	0.71	ug/Kg	*		10/29/14 03:41	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	*		10/29/14 03:41	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	*		10/29/14 03:41	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	*		10/29/14 03:41	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	*		10/29/14 03:41	1
1,1-Dichloroethane	<6.2		6.2	0.97	ug/Kg	*		10/29/14 03:41	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	*		10/29/14 03:41	1
1,1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	*		10/29/14 03:41	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	*		10/29/14 03:41	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	*		10/29/14 03:41	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	*		10/29/14 03:41	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	*		10/29/14 03:41	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	*		10/29/14 03:41	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	*		10/29/14 03:41	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	*		10/29/14 03:41	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	*		10/29/14 03:41	1
Styrene	<6.2		6.2	0.81	ug/Kg	*		10/29/14 03:41	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	*		10/29/14 03:41	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	*		10/29/14 03:41	1
Toluene	<6.2		6.2	0.86	ug/Kg	*		10/29/14 03:41	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	*		10/29/14 03:41	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	*		10/29/14 03:41	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	*		10/29/14 03:41	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	*		10/29/14 03:41	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	*		10/29/14 03:41	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	*		10/29/14 03:41	1
Xylenes, Total	<12		12	0.56	ug/Kg	*		10/29/14 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		10/29/14 03:41	1
Dibromofluoromethane	96		75 - 120		10/29/14 03:41	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		10/29/14 03:41	1
Toluene-d8 (Surr)	99		75 - 122		10/29/14 03:41	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	*	10/27/14 07:32	11/05/14 13:52	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	*	10/27/14 07:32	11/05/14 13:52	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	*	10/27/14 07:32	11/05/14 13:52	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	*	10/27/14 07:32	11/05/14 13:52	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	*	10/27/14 07:32	11/05/14 13:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(15-20)-102314

Lab Sample ID: 500-86633-11

Date Collected: 10/23/14 16:02

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2-Methylnaphthalene	47		40	7.3	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
4-Nitrophenol	<800 *		800	380	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Acenaphthylene	<40		40	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Anthracene	<40		40	6.6	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Benzo[g,h,i]perylene	32 J		40	13	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Carbazole	<200		200	100	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Chrysene	30 J		40	11	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Dibenz(a,h)anthracene	<40 *		40	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Fluorene	<40		40	5.6	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(15-20)-102314

Lab Sample ID: 500-86633-11

Date Collected: 10/23/14 16:02

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40	*	40	10	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Isophorone	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Naphthalene	25	J	40	6.1	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Phenanthrene	89		40	5.5	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Phenol	<200		200	88	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Pyrene	<40		40	7.9	ug/Kg	☼	10/27/14 07:32	11/05/14 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		35 - 137				10/27/14 07:32	11/05/14 13:52	1
2-Fluorobiphenyl	62		25 - 119				10/27/14 07:32	11/05/14 13:52	1
2-Fluorophenol	65		25 - 110				10/27/14 07:32	11/05/14 13:52	1
Nitrobenzene-d5	64		25 - 115				10/27/14 07:32	11/05/14 13:52	1
Phenol-d5	65		31 - 110				10/27/14 07:32	11/05/14 13:52	1
Terphenyl-d14	98		36 - 134				10/27/14 07:32	11/05/14 13:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Barium	0.65		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:33	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:33	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Cobalt	0.013	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Copper	0.011	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:33	1
Manganese	1.7		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Nickel	0.036		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:33	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:33	1
Zinc	0.19	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1
Barium	0.32	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:07	1
Chromium	0.015	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1
Copper	0.030		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1
Iron	4.6		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:07	1
Manganese	0.15		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1
Nickel	0.012	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(15-20)-102314

Lab Sample ID: 500-86633-11

Date Collected: 10/23/14 16:02

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.27		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:07	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	☼	11/05/14 10:20	11/08/14 07:05	1
Arsenic	8.1		0.58	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Barium	37		0.58	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Beryllium	0.58		0.23	0.046	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Cadmium	0.15		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 09:52	1
Calcium	44000		12	3.1	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Chromium	15	B	0.58	0.067	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Cobalt	10		0.29	0.058	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Copper	28		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Iron	18000		12	4.7	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Lead	12	B	0.29	0.086	mg/Kg	☼	11/05/14 10:20	11/09/14 09:52	1
Magnesium	25000		5.8	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Manganese	330		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Nickel	28		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Potassium	2800		29	1.7	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Selenium	0.46	J	0.58	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Silver	0.12	J	0.29	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Sodium	260		58	7.7	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Thallium	1.5		0.58	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Vanadium	18		0.29	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1
Zinc	38	B	1.2	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 07:05	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		20	7.7	ug/Kg	☼	10/29/14 13:30	10/30/14 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			11/04/14 13:49	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(20-25)-102314

Lab Sample ID: 500-86633-12

Date Collected: 10/23/14 16:10

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 79.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		10/29/14 04:04	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		10/29/14 04:04	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		10/29/14 04:04	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		10/29/14 04:04	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		10/29/14 04:04	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		10/29/14 04:04	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		10/29/14 04:04	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		10/29/14 04:04	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		10/29/14 04:04	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		10/29/14 04:04	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		10/29/14 04:04	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		10/29/14 04:04	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		10/29/14 04:04	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		10/29/14 04:04	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		10/29/14 04:04	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		10/29/14 04:04	1
1,1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		10/29/14 04:04	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		10/29/14 04:04	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		10/29/14 04:04	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		10/29/14 04:04	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		10/29/14 04:04	1
Methylene Chloride	6.7	cn	6.3	1.7	ug/Kg	☼		10/29/14 04:04	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		10/29/14 04:04	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		10/29/14 04:04	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		10/29/14 04:04	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		10/29/14 04:04	1
1,1,1,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		10/29/14 04:04	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		10/29/14 04:04	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		10/29/14 04:04	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	☼		10/29/14 04:04	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		10/29/14 04:04	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		10/29/14 04:04	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		10/29/14 04:04	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		10/29/14 04:04	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		10/29/14 04:04	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		10/29/14 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		10/29/14 04:04	1
Dibromofluoromethane	93		75 - 120		10/29/14 04:04	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134		10/29/14 04:04	1
Toluene-d8 (Surr)	102		75 - 122		10/29/14 04:04	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	☼	10/27/14 07:32	11/05/14 11:25	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(20-25)-102314

Lab Sample ID: 500-86633-12

Date Collected: 10/23/14 16:10

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2-Methylnaphthalene	24	J	40	7.3	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
4-Nitrophenol	<800	*	800	380	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Acenaphthylene	<40		40	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Anthracene	<40		40	6.6	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Benzo[g,h,i]perylene	17	J	40	13	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Carbazole	<200		200	100	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Chrysene	18	J	40	11	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Dibenz(a,h)anthracene	<40	*	40	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Fluorene	<40		40	5.6	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(20-25)-102314

Lab Sample ID: 500-86633-12

Date Collected: 10/23/14 16:10

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40	*	40	10	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Isophorone	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Naphthalene	26	J	40	6.1	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Phenanthrene	68		40	5.5	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Phenol	<200		200	88	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Pyrene	12	J	40	7.9	ug/Kg	☼	10/27/14 07:32	11/05/14 11:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		35 - 137				10/27/14 07:32	11/05/14 11:25	1
2-Fluorobiphenyl	60		25 - 119				10/27/14 07:32	11/05/14 11:25	1
2-Fluorophenol	70		25 - 110				10/27/14 07:32	11/05/14 11:25	1
Nitrobenzene-d5	54		25 - 115				10/27/14 07:32	11/05/14 11:25	1
Phenol-d5	64		31 - 110				10/27/14 07:32	11/05/14 11:25	1
Terphenyl-d14	94		36 - 134				10/27/14 07:32	11/05/14 11:25	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		11/06/14 07:00	11/06/14 17:39	1
Barium	0.70		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:39	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:39	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:39	1
Cobalt	0.015	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:39	1
Copper	0.029		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:39	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:39	1
Manganese	1.9		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:39	1
Nickel	0.042		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:39	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:39	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:39	1
Zinc	0.18	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1
Barium	0.35	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:13	1
Chromium	0.014	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1
Copper	0.047		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1
Iron	4.1		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:13	1
Lead	0.0087		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:13	1
Manganese	0.24		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1
Nickel	0.014	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-1(20-25)-102314

Lab Sample ID: 500-86633-12

Date Collected: 10/23/14 16:10

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.27		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:13	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	☼	11/05/14 10:20	11/08/14 07:11	1
Arsenic	7.2		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Barium	40		0.58	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Beryllium	0.56		0.23	0.047	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Cadmium	0.15		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 09:58	1
Calcium	41000		12	3.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Chromium	17	B	0.58	0.068	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Cobalt	10		0.29	0.058	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Copper	28		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Iron	19000		12	4.8	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Lead	11	B	0.29	0.087	mg/Kg	☼	11/05/14 10:20	11/09/14 09:58	1
Magnesium	22000		5.8	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Manganese	320		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Nickel	28		0.58	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Potassium	2900		29	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Selenium	0.50	J	0.58	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Silver	0.12	J	0.29	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Sodium	260		58	7.8	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Thallium	1.3		0.58	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Vanadium	18		0.29	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1
Zinc	45	B	1.2	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 07:11	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	34		20	7.7	ug/Kg	☼	10/29/14 13:30	10/30/14 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12		0.200	0.200	SU			11/04/14 13:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(0-5)-102314

Lab Sample ID: 500-86633-13

Date Collected: 10/23/14 16:21

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		10/29/14 04:28	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		10/29/14 04:28	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/29/14 04:28	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		10/29/14 04:28	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		10/29/14 04:28	1
Carbon disulfide	<5.9		5.9	0.87	ug/Kg	☼		10/29/14 04:28	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		10/29/14 04:28	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		10/29/14 04:28	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		10/29/14 04:28	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		10/29/14 04:28	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 04:28	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		10/29/14 04:28	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		10/29/14 04:28	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/29/14 04:28	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		10/29/14 04:28	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/29/14 04:28	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		10/29/14 04:28	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		10/29/14 04:28	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		10/29/14 04:28	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 04:28	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		10/29/14 04:28	1
Methylene Chloride	9.4	cn	5.9	1.6	ug/Kg	☼		10/29/14 04:28	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		10/29/14 04:28	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		10/29/14 04:28	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		10/29/14 04:28	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		10/29/14 04:28	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 04:28	1
Tetrachloroethene	<5.9		5.9	0.89	ug/Kg	☼		10/29/14 04:28	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		10/29/14 04:28	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		10/29/14 04:28	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		10/29/14 04:28	1
1,1,1-Trichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/29/14 04:28	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		10/29/14 04:28	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		10/29/14 04:28	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 04:28	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/29/14 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		10/29/14 04:28	1
Dibromofluoromethane	95		75 - 120		10/29/14 04:28	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 134		10/29/14 04:28	1
Toluene-d8 (Surr)	100		75 - 122		10/29/14 04:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(0-5)-102314

Lab Sample ID: 500-86633-13

Date Collected: 10/23/14 16:21

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	88	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2-Methylnaphthalene	<39		39	7.1	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Benzo[g,h,i]perylene	16	J	39	12	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Carbazole	<190		190	100	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Chrysene	17	J	39	11	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Dibenz(a,h)anthracene	<39	*	39	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(0-5)-102314

Lab Sample ID: 500-86633-13

Date Collected: 10/23/14 16:21

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39	*	39	10	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Isophorone	<190		190	44	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Naphthalene	10	J	39	6.0	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Phenanthrene	39		39	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Phenol	<190		190	86	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Pyrene	<39		39	7.7	ug/Kg	☼	10/27/14 07:32	11/05/14 10:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	109		35 - 137				10/27/14 07:32	11/05/14 10:23	1
2-Fluorobiphenyl	61		25 - 119				10/27/14 07:32	11/05/14 10:23	1
2-Fluorophenol	69		25 - 110				10/27/14 07:32	11/05/14 10:23	1
Nitrobenzene-d5	51		25 - 115				10/27/14 07:32	11/05/14 10:23	1
Phenol-d5	65		31 - 110				10/27/14 07:32	11/05/14 10:23	1
Terphenyl-d14	100		36 - 134				10/27/14 07:32	11/05/14 10:23	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		11/06/14 07:00	11/06/14 17:45	1
Barium	0.66		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:45	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:45	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:45	1
Cobalt	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:45	1
Copper	0.013	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:45	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:45	1
Manganese	0.61		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:45	1
Nickel	0.033		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:45	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:45	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:45	1
Zinc	0.26	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1
Barium	0.44	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:19	1
Chromium	0.036		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1
Copper	0.081		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1
Iron	23		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:19	1
Lead	0.076		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:19	1
Manganese	0.20		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1
Nickel	0.044		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(0-5)-102314

Lab Sample ID: 500-86633-13

Date Collected: 10/23/14 16:21

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.34		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:19	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	☼	11/05/14 10:20	11/08/14 07:17	1
Arsenic	5.4		0.53	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Barium	28		0.53	0.057	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Beryllium	0.35		0.21	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Cadmium	0.19		0.11	0.014	mg/Kg	☼	11/05/14 10:20	11/09/14 10:04	1
Calcium	120000		110	29	mg/Kg	☼	11/05/14 10:20	11/09/14 10:10	10
Chromium	9.5	B	0.53	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Cobalt	5.8		0.27	0.053	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Copper	20		0.53	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Iron	11000		11	4.4	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Lead	43	B	0.27	0.080	mg/Kg	☼	11/05/14 10:20	11/09/14 10:04	1
Magnesium	69000		53	11	mg/Kg	☼	11/05/14 10:20	11/09/14 10:10	10
Manganese	250		0.53	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Nickel	15		0.53	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Potassium	2400		27	1.6	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Silver	0.083	J	0.27	0.019	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Sodium	500		53	7.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Thallium	0.77		0.53	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Vanadium	11		0.27	0.040	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1
Zinc	30	B	1.1	0.22	mg/Kg	☼	11/05/14 10:20	11/08/14 07:17	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:33	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		11/05/14 10:30	11/06/14 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	7.4	ug/Kg	☼	10/29/14 13:30	10/30/14 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.62		0.200	0.200	SU			11/04/14 13:57	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(5-10)-102314

Lab Sample ID: 500-86633-14

Date Collected: 10/23/14 16:29

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		10/29/14 04:52	1
Benzene	<6.2		6.2	0.84	ug/Kg	☼		10/29/14 04:52	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 04:52	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		10/29/14 04:52	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		10/29/14 04:52	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		10/29/14 04:52	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 04:52	1
Chlorobenzene	<6.2		6.2	0.62	ug/Kg	☼		10/29/14 04:52	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		10/29/14 04:52	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		10/29/14 04:52	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		10/29/14 04:52	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		10/29/14 04:52	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		10/29/14 04:52	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 04:52	1
1,1-Dichloroethane	<6.2		6.2	0.97	ug/Kg	☼		10/29/14 04:52	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		10/29/14 04:52	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		10/29/14 04:52	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		10/29/14 04:52	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		10/29/14 04:52	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		10/29/14 04:52	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		10/29/14 04:52	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		10/29/14 04:52	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		10/29/14 04:52	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		10/29/14 04:52	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		10/29/14 04:52	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		10/29/14 04:52	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		10/29/14 04:52	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		10/29/14 04:52	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		10/29/14 04:52	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		10/29/14 04:52	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		10/29/14 04:52	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		10/29/14 04:52	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		10/29/14 04:52	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		10/29/14 04:52	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		10/29/14 04:52	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		10/29/14 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		10/29/14 04:52	1
Dibromofluoromethane	96		75 - 120		10/29/14 04:52	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/29/14 04:52	1
Toluene-d8 (Surr)	104		75 - 122		10/29/14 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(5-10)-102314

Lab Sample ID: 500-86633-14

Date Collected: 10/23/14 16:29

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.2

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	☼	10/27/14 07:32	11/05/14 14:13	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2-Methylnaphthalene	41		39	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
4-Nitrophenol	<790 *		790	370	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Benzo[g,h,i]perylene	16 J		39	13	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Carbazole	<200		200	100	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Chrysene	22 J		39	11	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Dibenz(a,h)anthracene	<39 *		39	7.5	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(5-10)-102314

Lab Sample ID: 500-86633-14

Date Collected: 10/23/14 16:29

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39	*	39	10	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Isophorone	<200		200	44	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Phenanthrene	63		39	5.4	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Phenol	<200		200	87	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Pyrene	<39		39	7.8	ug/Kg	☼	10/27/14 07:32	11/05/14 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		35 - 137				10/27/14 07:32	11/05/14 14:13	1
2-Fluorobiphenyl	60		25 - 119				10/27/14 07:32	11/05/14 14:13	1
2-Fluorophenol	66		25 - 110				10/27/14 07:32	11/05/14 14:13	1
Nitrobenzene-d5	55		25 - 115				10/27/14 07:32	11/05/14 14:13	1
Phenol-d5	64		31 - 110				10/27/14 07:32	11/05/14 14:13	1
Terphenyl-d14	92		36 - 134				10/27/14 07:32	11/05/14 14:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Barium	0.58		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 17:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 17:52	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 17:52	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Cobalt	0.027		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Copper	0.035		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 17:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 17:52	1
Manganese	1.7		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Nickel	0.062		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 17:52	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 17:52	1
Zinc	0.20	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 17:52	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		10/31/14 09:15	11/01/14 10:26	1
Barium	0.26	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:26	1
Chromium	0.013	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:26	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:26	1
Copper	0.086		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:26	1
Iron	4.5		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:26	1
Lead	0.015		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:26	1
Manganese	0.093		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:26	1
Nickel	0.010	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:26	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(5-10)-102314

Lab Sample ID: 500-86633-14

Date Collected: 10/23/14 16:29

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.25		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Arsenic	7.4		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Barium	42		0.59	0.063	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Beryllium	0.57		0.24	0.047	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Cadmium	0.042	J	0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 10:17	1
Calcium	42000		12	3.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Chromium	17	B	0.59	0.069	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Cobalt	9.8		0.30	0.059	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Copper	26		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Iron	18000		12	4.9	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Lead	11	B	0.30	0.088	mg/Kg	☼	11/05/14 10:20	11/09/14 10:17	1
Magnesium	22000		5.9	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Manganese	320		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Nickel	27		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Potassium	3000		30	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Selenium	0.49	J	0.59	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Silver	0.13	J	0.30	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Sodium	450		59	8.0	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Thallium	1.4		0.59	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Vanadium	18		0.30	0.044	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1
Zinc	39	B	1.2	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 07:23	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 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	18	J	19	7.5	ug/Kg	☼	10/29/14 13:30	10/30/14 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.91		0.200	0.200	SU			11/04/14 13:59	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(10-15)-102314

Lab Sample ID: 500-86633-15

Date Collected: 10/23/14 16:39

Matrix: Solid

Date Received: 10/24/14 06:00

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	☼		10/29/14 05:16	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		10/29/14 05:16	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		10/29/14 05:16	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		10/29/14 05:16	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		10/29/14 05:16	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		10/29/14 05:16	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		10/29/14 05:16	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		10/29/14 05:16	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		10/29/14 05:16	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		10/29/14 05:16	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		10/29/14 05:16	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		10/29/14 05:16	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		10/29/14 05:16	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		10/29/14 05:16	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		10/29/14 05:16	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		10/29/14 05:16	1
1,1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		10/29/14 05:16	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		10/29/14 05:16	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		10/29/14 05:16	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		10/29/14 05:16	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		10/29/14 05:16	1
Methylene Chloride	9.5	cn	5.8	1.6	ug/Kg	☼		10/29/14 05:16	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		10/29/14 05:16	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		10/29/14 05:16	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		10/29/14 05:16	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		10/29/14 05:16	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		10/29/14 05:16	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		10/29/14 05:16	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		10/29/14 05:16	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		10/29/14 05:16	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		10/29/14 05:16	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		10/29/14 05:16	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		10/29/14 05:16	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		10/29/14 05:16	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		10/29/14 05:16	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		10/29/14 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		10/29/14 05:16	1
Dibromofluoromethane	94		75 - 120		10/29/14 05:16	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/29/14 05:16	1
Toluene-d8 (Surr)	100		75 - 122		10/29/14 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(10-15)-102314

Lab Sample ID: 500-86633-15

Date Collected: 10/23/14 16:39

Matrix: Solid

Date Received: 10/24/14 06:00

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	☼	10/31/14 17:15	11/03/14 17:30	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2-Methylnaphthalene	9.9	J	37	6.8	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2-Methylphenol	<190		190	59	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Benzo[a]anthracene	38		37	5.0	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Benzo[a]pyrene	34	J	37	7.1	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Benzo[b]fluoranthene	37		37	8.0	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Benzo[g,h,i]perylene	53		37	12	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Benzo[k]fluoranthene	27	J	37	11	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Carbazole	<190	*	190	95	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Chrysene	38		37	10	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Fluoranthene	53		37	6.8	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(10-15)-102314

Lab Sample ID: 500-86633-15

Date Collected: 10/23/14 16:39

Matrix: Solid

Date Received: 10/24/14 06:00

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	31	J	37	9.6	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Isophorone	<190		190	41	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Naphthalene	7.8	J	37	5.7	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Phenanthrene	48		37	5.1	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Phenol	<190		190	82	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Pyrene	59		37	7.3	ug/Kg	☼	10/31/14 17:15	11/03/14 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		35 - 137				10/31/14 17:15	11/03/14 17:30	1
2-Fluorobiphenyl	40		25 - 119				10/31/14 17:15	11/03/14 17:30	1
2-Fluorophenol	40		25 - 110				10/31/14 17:15	11/03/14 17:30	1
Nitrobenzene-d5	34		25 - 115				10/31/14 17:15	11/03/14 17:30	1
Phenol-d5	38		31 - 110				10/31/14 17:15	11/03/14 17:30	1
Terphenyl-d14	52		36 - 134				10/31/14 17:15	11/03/14 17:30	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		11/06/14 07:00	11/06/14 18:13	1
Barium	0.56		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 18:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 18:13	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 18:13	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:13	1
Cobalt	0.036		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:13	1
Copper	0.014	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:13	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 18:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 18:13	1
Manganese	2.4		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:13	1
Nickel	0.071		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:13	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 18:13	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:13	1
Zinc	0.35	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 18:13	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		10/31/14 09:15	11/01/14 10:32	1
Barium	0.32	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:32	1
Chromium	0.022	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:32	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:32	1
Copper	0.039		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:32	1
Iron	8.9		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:32	1
Lead	0.014		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:32	1
Manganese	0.17		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:32	1
Nickel	0.020	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:32	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-2(10-15)-102314

Lab Sample ID: 500-86633-15

Date Collected: 10/23/14 16:39

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.30		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:32	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	☼	11/05/14 10:20	11/08/14 07:30	1
Arsenic	4.1		0.52	0.10	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Barium	23		0.52	0.056	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Beryllium	0.29		0.21	0.042	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Cadmium	0.21		0.10	0.013	mg/Kg	☼	11/05/14 10:20	11/09/14 10:38	1
Calcium	140000		100	28	mg/Kg	☼	11/05/14 10:20	11/10/14 15:05	10
Chromium	14	B	0.52	0.061	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Cobalt	4.1		0.26	0.052	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Copper	15		0.52	0.10	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Iron	9000		10	4.3	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Lead	16	B	0.26	0.078	mg/Kg	☼	11/05/14 10:20	11/09/14 10:38	1
Magnesium	81000		52	11	mg/Kg	☼	11/05/14 10:20	11/10/14 15:05	10
Manganese	290		0.52	0.10	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Nickel	12		0.52	0.10	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Potassium	2000		26	1.6	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Selenium	<0.52		0.52	0.19	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Silver	0.071	J	0.26	0.019	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Sodium	370		52	7.0	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Thallium	0.59		0.52	0.22	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Vanadium	12		0.26	0.039	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1
Zinc	39	B	1.0	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 07:30	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 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	<17		17	6.8	ug/Kg	☼	10/29/14 13:30	10/30/14 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			11/04/14 14:02	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(0-5)-102314

Lab Sample ID: 500-86633-16

Date Collected: 10/23/14 16:50

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 84.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	*		10/28/14 17:56	1
Benzene	<5.9		5.9	0.81	ug/Kg	*		10/28/14 17:56	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	*		10/28/14 17:56	1
Bromoform	<5.9		5.9	1.4	ug/Kg	*		10/28/14 17:56	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	*		10/28/14 17:56	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	*		10/28/14 17:56	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	*		10/28/14 17:56	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	*		10/28/14 17:56	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	*		10/28/14 17:56	1
Chloroform	<5.9		5.9	0.68	ug/Kg	*		10/28/14 17:56	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	*		10/28/14 17:56	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	*		10/28/14 17:56	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	*		10/28/14 17:56	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	*		10/28/14 17:56	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	*		10/28/14 17:56	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	*		10/28/14 17:56	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	*		10/28/14 17:56	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	*		10/28/14 17:56	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	*		10/28/14 17:56	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	*		10/28/14 17:56	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	*		10/28/14 17:56	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	*		10/28/14 17:56	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	*		10/28/14 17:56	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	*		10/28/14 17:56	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	*		10/28/14 17:56	1
Styrene	<5.9		5.9	0.77	ug/Kg	*		10/28/14 17:56	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	*		10/28/14 17:56	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	*		10/28/14 17:56	1
Toluene	<5.9		5.9	0.83	ug/Kg	*		10/28/14 17:56	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	*		10/28/14 17:56	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	*		10/28/14 17:56	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	*		10/28/14 17:56	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	*		10/28/14 17:56	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	*		10/28/14 17:56	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	*		10/28/14 17:56	1
Xylenes, Total	<12		12	0.53	ug/Kg	*		10/28/14 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 122		10/28/14 17:56	1
Dibromofluoromethane	99		75 - 120		10/28/14 17:56	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134		10/28/14 17:56	1
Toluene-d8 (Surr)	105		75 - 122		10/28/14 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	*	10/31/14 17:15	11/03/14 17:51	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	*	10/31/14 17:15	11/03/14 17:51	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	*	10/31/14 17:15	11/03/14 17:51	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	*	10/31/14 17:15	11/03/14 17:51	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	*	10/31/14 17:15	11/03/14 17:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(0-5)-102314

Lab Sample ID: 500-86633-16

Date Collected: 10/23/14 16:50

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2-Methylnaphthalene	40		38	7.1	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Carbazole	<190	*	190	99	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Chrysene	29	J	38	10	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(0-5)-102314

Lab Sample ID: 500-86633-16

Date Collected: 10/23/14 16:50

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Isophorone	<190		190	43	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Phenanthrene	96		38	5.4	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Phenol	<190		190	85	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Pyrene	60		38	7.6	ug/Kg	☼	10/31/14 17:15	11/03/14 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		35 - 137				10/31/14 17:15	11/03/14 17:51	1
2-Fluorobiphenyl	60		25 - 119				10/31/14 17:15	11/03/14 17:51	1
2-Fluorophenol	56		25 - 110				10/31/14 17:15	11/03/14 17:51	1
Nitrobenzene-d5	48		25 - 115				10/31/14 17:15	11/03/14 17:51	1
Phenol-d5	53		31 - 110				10/31/14 17:15	11/03/14 17:51	1
Terphenyl-d14	103		36 - 134				10/31/14 17:15	11/03/14 17:51	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		11/06/14 07:00	11/06/14 18:19	1
Barium	0.59		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 18:19	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 18:19	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:19	1
Cobalt	0.048		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:19	1
Copper	0.060		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:19	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 18:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 18:19	1
Manganese	1.8		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:19	1
Nickel	0.047		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 18:19	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:19	1
Zinc	0.29	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1
Barium	0.35	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:38	1
Chromium	0.014	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1
Copper	0.068		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1
Iron	4.7		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:38	1
Lead	0.013		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:38	1
Manganese	0.18		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1
Nickel	0.016	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(0-5)-102314

Lab Sample ID: 500-86633-16

Date Collected: 10/23/14 16:50

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.32		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:38	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	☼	11/05/14 10:20	11/08/14 07:36	1
Arsenic	11		0.54	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Barium	31		0.54	0.057	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Beryllium	0.57		0.21	0.043	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Cadmium	0.15		0.11	0.014	mg/Kg	☼	11/05/14 10:20	11/09/14 10:44	1
Calcium	26000		11	2.9	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Chromium	16	B	0.54	0.062	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Cobalt	12		0.27	0.054	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Copper	47		0.54	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Iron	21000		11	4.4	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Lead	18	B	0.27	0.080	mg/Kg	☼	11/05/14 10:20	11/09/14 10:44	1
Magnesium	18000		5.4	1.1	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Manganese	290		0.54	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Nickel	35		0.54	0.11	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Potassium	2800		27	1.6	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Selenium	0.85		0.54	0.19	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Silver	0.14	J	0.27	0.019	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Sodium	350		54	7.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Thallium	1.6		0.54	0.23	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Vanadium	17		0.27	0.040	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1
Zinc	47	B	1.1	0.22	mg/Kg	☼	11/05/14 10:20	11/08/14 07:36	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:44	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 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	29		19	7.5	ug/Kg	☼	10/29/14 13:30	10/30/14 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.96		0.200	0.200	SU			11/04/14 14:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(5-10)-102314

Lab Sample ID: 500-86633-17

Date Collected: 10/23/14 16:57

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 79.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.3		6.3	2.7	ug/Kg	☼		10/28/14 18:19	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		10/28/14 18:19	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		10/28/14 18:19	1
Bromoform	<6.3		6.3	1.5	ug/Kg	☼		10/28/14 18:19	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		10/28/14 18:19	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		10/28/14 18:19	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		10/28/14 18:19	1
Chlorobenzene	<6.3		6.3	0.64	ug/Kg	☼		10/28/14 18:19	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		10/28/14 18:19	1
Chloroform	<6.3		6.3	0.73	ug/Kg	☼		10/28/14 18:19	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		10/28/14 18:19	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		10/28/14 18:19	1
cis-1,3-Dichloropropene	<6.3		6.3	0.83	ug/Kg	☼		10/28/14 18:19	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		10/28/14 18:19	1
1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		10/28/14 18:19	1
1,2-Dichloroethane	<6.3		6.3	0.94	ug/Kg	☼		10/28/14 18:19	1
1,1,1-Dichloroethane	<6.3		6.3	1.0	ug/Kg	☼		10/28/14 18:19	1
1,2-Dichloropropane	<6.3		6.3	0.96	ug/Kg	☼		10/28/14 18:19	1
1,3-Dichloropropene, Total	<6.3		6.3	0.83	ug/Kg	☼		10/28/14 18:19	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		10/28/14 18:19	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		10/28/14 18:19	1
Methylene Chloride	6.6	cn	6.3	1.7	ug/Kg	☼		10/28/14 18:19	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		10/28/14 18:19	1
methyl isobutyl ketone	<6.3		6.3	1.7	ug/Kg	☼		10/28/14 18:19	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		10/28/14 18:19	1
Styrene	<6.3		6.3	0.83	ug/Kg	☼		10/28/14 18:19	1
1,1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		10/28/14 18:19	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		10/28/14 18:19	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		10/28/14 18:19	1
trans-1,2-Dichloroethene	<6.3		6.3	0.87	ug/Kg	☼		10/28/14 18:19	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		10/28/14 18:19	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		10/28/14 18:19	1
1,1,2-Trichloroethane	<6.3		6.3	0.86	ug/Kg	☼		10/28/14 18:19	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		10/28/14 18:19	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		10/28/14 18:19	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		10/28/14 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122		10/28/14 18:19	1
Dibromofluoromethane	90		75 - 120		10/28/14 18:19	1
1,2-Dichloroethane-d4 (Surr)	76		70 - 134		10/28/14 18:19	1
Toluene-d8 (Surr)	102		75 - 122		10/28/14 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(5-10)-102314

Lab Sample ID: 500-86633-17

Date Collected: 10/23/14 16:57

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2-Methylnaphthalene	11	J	41	7.7	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2-Methylphenol	<210		210	67	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4,6-Dinitro-2-methylphenol	<410		410	330	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Anthracene	<41		41	7.0	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Benzo[a]anthracene	<41		41	5.6	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Benzo[a]pyrene	<41		41	8.1	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Benzo[b]fluoranthene	<41		41	9.0	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Carbazole	<210	*	210	110	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Chrysene	20	J	41	11	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Dibenzofuran	<210		210	49	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Fluoranthene	<41		41	7.7	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Fluorene	<41		41	5.9	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Hexachloroethane	<210		210	63	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(5-10)-102314

Lab Sample ID: 500-86633-17

Date Collected: 10/23/14 16:57

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Isophorone	<210		210	47	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Naphthalene	<41		41	6.4	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Nitrobenzene	<41		41	10	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
N-Nitrosodi-n-propylamine	<210		210	51	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Phenanthrene	48		41	5.8	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Phenol	<210		210	93	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Pyrene	<41		41	8.3	ug/Kg	☼	10/31/14 17:15	11/03/14 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		35 - 137				10/31/14 17:15	11/03/14 18:12	1
2-Fluorobiphenyl	43		25 - 119				10/31/14 17:15	11/03/14 18:12	1
2-Fluorophenol	41		25 - 110				10/31/14 17:15	11/03/14 18:12	1
Nitrobenzene-d5	40		25 - 115				10/31/14 17:15	11/03/14 18:12	1
Phenol-d5	39		31 - 110				10/31/14 17:15	11/03/14 18:12	1
Terphenyl-d14	71		36 - 134				10/31/14 17:15	11/03/14 18:12	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		11/06/14 07:00	11/06/14 18:25	1
Barium	0.54		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 18:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 18:25	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 18:25	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:25	1
Cobalt	0.021	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:25	1
Copper	0.013	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:25	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 18:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 18:25	1
Manganese	1.8		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:25	1
Nickel	0.052		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 18:25	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 18:25	1
Zinc	0.21	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1
Barium	0.22	J	0.50	0.050	mg/L		10/31/14 09:15	11/01/14 10:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 09:15	11/01/14 10:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 09:15	11/01/14 10:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1
Copper	0.023	J	0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1
Iron	1.3		0.20	0.20	mg/L		10/31/14 09:15	11/01/14 10:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 09:15	11/01/14 10:44	1
Manganese	0.056		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 09:15	11/01/14 10:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Client Sample ID: IR-3(5-10)-102314

Lab Sample ID: 500-86633-17

Date Collected: 10/23/14 16:57

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.20		0.10	0.020	mg/L		10/31/14 09:15	11/01/14 10:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Arsenic	7.7		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Barium	34		0.59	0.063	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Beryllium	0.58		0.24	0.047	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Cadmium	0.18		0.12	0.015	mg/Kg	☼	11/05/14 10:20	11/09/14 10:57	1
Calcium	46000		12	3.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Chromium	16	B	0.59	0.069	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Cobalt	10		0.30	0.059	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Copper	32		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Iron	19000		12	4.9	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Lead	13	B	0.30	0.088	mg/Kg	☼	11/05/14 10:20	11/09/14 10:57	1
Magnesium	26000		5.9	1.2	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Manganese	410		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Nickel	29		0.59	0.12	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Potassium	3300		30	1.8	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Selenium	0.53	J	0.59	0.21	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Silver	0.11	J	0.30	0.021	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Sodium	410		59	8.0	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Thallium	1.5		0.59	0.25	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Vanadium	18		0.30	0.044	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1
Zinc	38	B	1.2	0.24	mg/Kg	☼	11/05/14 10:20	11/08/14 07:42	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 09:15	11/03/14 18:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 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	23		20	7.8	ug/Kg	☼	10/29/14 13:30	10/30/14 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.96		0.200	0.200	SU			11/04/14 14:08	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86633-1

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
6020A	3010A	Solid	Selenium
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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

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

Chain of Custody Record

Lab Job #: 500-86633

Chain of Custody Number: _____

Page 3 of 4

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions Inc.											
Project Name		Lab Project #		# of Containers		TOTAL METALS		TCLP/SPLP METALS		PH	
1 DOT 091- J-290 at Morgan											
Project Location/State		Lab Project #		Matrix		VOCs		SVOCs		PH	
Chicago, IL											
Sampler		Lab PM									
M. Dohoney-Sklbic		D Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	PH
1		IR-14(10-15)-102314	10-23-14	1345	2	S	X	X	X	X	X
2		IR-14(15-20)-102314		1357							
3		IR-15(0-5)-102314		1425							
4		IR-15(5-10)-102314		1432							
5		IR-15(10-15)-102314		1440							
6		IR-15(15-20)-102314		1455							
7		IR-1(0-5)-102314		1535							
8		IR-1(5-10)-102314		1542							
9		IR-1(10-15)-102314		1552							
10		IR-1(10-15)-102314D	10-23-14	1552	2	S	X	X	X	X	X

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By <u>M. Dohoney-Sklbic</u>	Company <u>Weston</u>	Date <u>10/23/14</u>	Time <u>1802</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>10-23-14</u>	Time <u>1802</u>
Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>10/24/14</u>	Time <u>0600</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>10/24/14</u>	Time <u>0600</u>
Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>10/24/14</u>	Time <u>0600</u>	Received By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>10/24/14</u>	Time <u>0600</u>

Lab Courier	_____
Shipped	_____
Hand Delivered	_____

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

Client Comments

Lab Comments:

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: S. Babusukumar
 Company: Weston Solutions Inc.
 Address: 7500 300 Plaza Circle
 Address: Mundelein, IL 60060
 Phone: 224-864-7250
 Fax:
 E-Mail:

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

Chain of Custody Record

Lab Job #: 500-86633

Chain of Custody Number:

Page 4 of 4

Temperature °C of Cooler:

Client		Client Project #		Preservative														Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Parameter																	Comments
Project Location/State		Lab Project #																	
Sampler		Lab PM																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TRACE METALS	pH								
11		IR-1(15-20)-102314	10-23-14	1002	2	S	X	X	X	X	X								
12		IR-1(20-25)-102314		1610															
13		IR-2(0-5)-102314		1621															
14		IR-2(5-10)-102314		1629															
15		IR-2(10-15)-102314		1639															
16		IR-3(5-10)-102314		1650															
17		IR-3(10-15)-102314		1657															
18		IR-4(0-5)-102314		1715															
19		IR-4(5-10)-102314		1722															
20		IR-5(0-5)-102314	10-23-14	1737	2	S	X	X	X	X	X								

Turnaround Time Required (Business Days)

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

Requested Due Date

Sample Disposal

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

Relinquished By <u>M. Doherty</u>	Company <u>Weston</u>	Date <u>10-23-14</u>	Time <u>1802</u>	Received By <u>[Signature]</u>	Company <u>[Signature]</u>	Date <u>10-23-14</u>	Time <u>1802</u>
Relinquished By	Company	Date	Time	Received By	Company	Date <u>10/24/14</u>	Time <u>0600</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
 Shipped
 Hand Delivered

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-86632-1

Client Project/Site: IDOT - Circle Interchange - WO 091

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
11/12/2014 2:13:58 PM

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

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www.testamericainc.com

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

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

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

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

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(0-5)-102314

Lab Sample ID: 500-86632-10

Date Collected: 10/23/14 11:19

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 89.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	*		10/29/14 06:52	1
Benzene	<5.6		5.6	0.76	ug/Kg	*		10/29/14 06:52	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	*		10/29/14 06:52	1
Bromoform	<5.6		5.6	1.3	ug/Kg	*		10/29/14 06:52	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	*		10/29/14 06:52	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	*		10/29/14 06:52	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	*		10/29/14 06:52	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	*		10/29/14 06:52	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	*		10/29/14 06:52	1
Chloroform	<5.6		5.6	0.64	ug/Kg	*		10/29/14 06:52	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	*		10/29/14 06:52	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	*		10/29/14 06:52	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	*		10/29/14 06:52	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	*		10/29/14 06:52	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	*		10/29/14 06:52	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	*		10/29/14 06:52	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	*		10/29/14 06:52	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	*		10/29/14 06:52	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	*		10/29/14 06:52	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	*		10/29/14 06:52	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	*		10/29/14 06:52	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	*		10/29/14 06:52	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	*		10/29/14 06:52	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	*		10/29/14 06:52	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	*		10/29/14 06:52	1
Styrene	<5.6		5.6	0.73	ug/Kg	*		10/29/14 06:52	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	*		10/29/14 06:52	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	*		10/29/14 06:52	1
Toluene	<5.6		5.6	0.78	ug/Kg	*		10/29/14 06:52	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	*		10/29/14 06:52	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	*		10/29/14 06:52	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	*		10/29/14 06:52	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	*		10/29/14 06:52	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	*		10/29/14 06:52	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	*		10/29/14 06:52	1
Xylenes, Total	<11		11	0.51	ug/Kg	*		10/29/14 06:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122		10/29/14 06:52	1
Dibromofluoromethane	99		75 - 120		10/29/14 06:52	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		10/29/14 06:52	1
Toluene-d8 (Surr)	100		75 - 122		10/29/14 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	10/24/14 17:23	11/04/14 17:16	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	*	10/24/14 17:23	11/04/14 17:16	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	10/24/14 17:23	11/04/14 17:16	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	10/24/14 17:23	11/04/14 17:16	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	10/24/14 17:23	11/04/14 17:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(0-5)-102314

Lab Sample ID: 500-86632-10

Date Collected: 10/23/14 11:19

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2,4-Dinitrophenol	<740	*	740	640	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2-Methylnaphthalene	32	J	36	6.7	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2-Methylphenol	<180		180	59	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4,6-Dinitro-2-methylphenol	<360	*	360	290	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Acenaphthene	79		36	6.6	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Acenaphthylene	51		36	4.8	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Anthracene	430		36	6.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Benzo[a]anthracene	1500		36	4.9	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Benzo[a]pyrene	1100		36	7.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Benzo[b]fluoranthene	1500		36	7.9	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Benzo[g,h,i]perylene	670		36	12	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Benzo[k]fluoranthene	520		36	11	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Carbazole	140	J	180	94	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Chrysene	1400		36	10	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Dibenz(a,h)anthracene	250		36	7.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Dibenzofuran	59	J	180	43	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Fluoranthene	2200		180	34	ug/Kg	☼	10/24/14 17:23	11/04/14 20:34	5
Fluorene	110		36	5.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Hexachloroethane	<180		180	56	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(0-5)-102314

Lab Sample ID: 500-86632-10

Date Collected: 10/23/14 11:19

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 89.6

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	600		36	9.5	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Isophorone	<180		180	41	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Naphthalene	41		36	5.6	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
N-Nitrosodi-n-propylamine	<180	*	180	45	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Pentachlorophenol	<740	*	740	590	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Phenanthrene	2000		36	5.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Phenol	<180		180	81	ug/Kg	☼	10/24/14 17:23	11/04/14 17:16	1
Pyrene	3500		180	36	ug/Kg	☼	10/24/14 17:23	11/04/14 20:34	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		35 - 137				10/24/14 17:23	11/04/14 17:16	1
2-Fluorobiphenyl	56		25 - 119				10/24/14 17:23	11/04/14 17:16	1
2-Fluorophenol	52		25 - 110				10/24/14 17:23	11/04/14 17:16	1
Nitrobenzene-d5	47		25 - 115				10/24/14 17:23	11/04/14 17:16	1
Phenol-d5	50		31 - 110				10/24/14 17:23	11/04/14 17:16	1
Terphenyl-d14	72		36 - 134				10/24/14 17:23	11/04/14 17:16	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Barium	0.34	J	0.50	0.050	mg/L		11/06/14 07:00	11/06/14 20:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 20:58	1
Cadmium	0.0023	J ^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 20:58	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Cobalt	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Copper	0.047		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 20:58	1
Lead	0.014		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 20:58	1
Manganese	1.4		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Nickel	0.015	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 20:58	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 20:58	1
Zinc	0.20	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1
Barium	0.064	J	0.50	0.050	mg/L		10/31/14 08:30	11/01/14 06:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 08:30	11/01/14 06:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 08:30	11/01/14 06:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1
Copper	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1
Iron	0.56		0.20	0.20	mg/L		10/31/14 08:30	11/01/14 06:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 08:30	11/01/14 06:34	1
Manganese	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(0-5)-102314

Lab Sample ID: 500-86632-10

Date Collected: 10/23/14 11:19

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.057	J B	0.10	0.020	mg/L		10/31/14 08:30	11/01/14 06:34	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	☼	11/05/14 10:10	11/08/14 03:26	1
Arsenic	6.6		0.53	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Barium	58	B	0.53	0.057	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Beryllium	0.50		0.21	0.042	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Cadmium	0.26		0.11	0.013	mg/Kg	☼	11/05/14 10:10	11/08/14 22:03	1
Calcium	33000		11	2.9	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Chromium	10	B	0.53	0.061	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Cobalt	6.5		0.26	0.053	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Copper	42		0.53	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Iron	12000		11	4.4	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Lead	70	B	0.26	0.079	mg/Kg	☼	11/05/14 10:10	11/08/14 22:03	1
Magnesium	19000		5.3	1.1	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Manganese	290		0.53	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Nickel	18		0.53	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Potassium	1400		26	1.6	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Selenium	0.35	J	0.53	0.19	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Silver	0.18	J B	0.26	0.019	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Sodium	400		53	7.1	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Thallium	0.76		0.53	0.22	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Vanadium	15		0.26	0.039	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1
Zinc	66	B	1.1	0.21	mg/Kg	☼	11/05/14 10:10	11/08/14 03:26	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 08:30	11/03/14 16:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 10:36	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	290		18	6.9	ug/Kg	☼	10/28/14 14:30	10/29/14 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.66		0.200	0.200	SU			11/04/14 12:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(5-10)-102314

Lab Sample ID: 500-86632-11

Date Collected: 10/23/14 11:25

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.4	ug/Kg	*		10/29/14 10:37	1
Benzene	<5.7		5.7	0.78	ug/Kg	*		10/29/14 10:37	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	*		10/29/14 10:37	1
Bromoform	<5.7		5.7	1.3	ug/Kg	*		10/29/14 10:37	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	*		10/29/14 10:37	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	*		10/29/14 10:37	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	*		10/29/14 10:37	1
Chlorobenzene	<5.7		5.7	0.57	ug/Kg	*		10/29/14 10:37	1
Chloroethane	<5.7		5.7	1.5	ug/Kg	*		10/29/14 10:37	1
Chloroform	<5.7		5.7	0.65	ug/Kg	*		10/29/14 10:37	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	*		10/29/14 10:37	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	*		10/29/14 10:37	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	*		10/29/14 10:37	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	*		10/29/14 10:37	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	*		10/29/14 10:37	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	*		10/29/14 10:37	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	*		10/29/14 10:37	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	*		10/29/14 10:37	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	*		10/29/14 10:37	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	*		10/29/14 10:37	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	*		10/29/14 10:37	1
Methylene Chloride	<5.7	*	5.7	1.5	ug/Kg	*		10/29/14 10:37	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	*		10/29/14 10:37	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	*		10/29/14 10:37	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	*		10/29/14 10:37	1
Styrene	<5.7		5.7	0.74	ug/Kg	*		10/29/14 10:37	1
1,1,1,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	*		10/29/14 10:37	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	*		10/29/14 10:37	1
Toluene	<5.7		5.7	0.79	ug/Kg	*		10/29/14 10:37	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	*		10/29/14 10:37	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	*		10/29/14 10:37	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	*		10/29/14 10:37	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	*		10/29/14 10:37	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	*		10/29/14 10:37	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	*		10/29/14 10:37	1
Xylenes, Total	<11		11	0.51	ug/Kg	*		10/29/14 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		10/29/14 10:37	1
Dibromofluoromethane	95		75 - 120		10/29/14 10:37	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134		10/29/14 10:37	1
Toluene-d8 (Surr)	103		75 - 122		10/29/14 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	10/24/14 17:23	11/04/14 17:37	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	10/24/14 17:23	11/04/14 17:37	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	10/24/14 17:23	11/04/14 17:37	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	10/24/14 17:23	11/04/14 17:37	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	10/24/14 17:23	11/04/14 17:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(5-10)-102314

Lab Sample ID: 500-86632-11

Date Collected: 10/23/14 11:25

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2,4-Dinitrophenol	<730	*	730	640	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2-Methylphenol	<180		180	58	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4,6-Dinitro-2-methylphenol	<360	*	360	290	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Anthracene	<36		36	6.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Benzo[a]anthracene	43		36	4.9	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Benzo[a]pyrene	30 J		36	7.0	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Benzo[b]fluoranthene	45		36	7.8	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Benzo[g,h,i]perylene	59		36	12	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Benzo[k]fluoranthene	33 J		36	11	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Carbazole	<180		180	94	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Chrysene	50		36	9.9	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Dibenzofuran	<180		180	43	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Fluoranthene	29 J		36	6.7	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Hexachloroethane	<180		180	55	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(5-10)-102314

Lab Sample ID: 500-86632-11

Date Collected: 10/23/14 11:25

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	23	J	36	9.4	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Isophorone	<180		180	41	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Naphthalene	<36		36	5.6	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
N-Nitrosodi-n-propylamine	<180	*	180	44	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Pentachlorophenol	<730	*	730	580	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Phenanthrene	50		36	5.1	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Phenol	<180		180	81	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Pyrene	44		36	7.2	ug/Kg	☼	10/24/14 17:23	11/04/14 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		35 - 137				10/24/14 17:23	11/04/14 17:37	1
2-Fluorobiphenyl	57		25 - 119				10/24/14 17:23	11/04/14 17:37	1
2-Fluorophenol	56		25 - 110				10/24/14 17:23	11/04/14 17:37	1
Nitrobenzene-d5	46		25 - 115				10/24/14 17:23	11/04/14 17:37	1
Phenol-d5	48		31 - 110				10/24/14 17:23	11/04/14 17:37	1
Terphenyl-d14	73		36 - 134				10/24/14 17:23	11/04/14 17:37	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Barium	0.42	J	0.50	0.050	mg/L		11/06/14 07:00	11/06/14 21:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 21:04	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 21:04	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Cobalt	0.023	J	0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Copper	0.052		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 21:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 21:04	1
Manganese	2.3		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Nickel	0.029		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 21:04	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:04	1
Zinc	0.16	B	0.10	0.020	mg/L		11/06/14 07:00	11/06/14 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		10/31/14 08:30	11/01/14 06:41	1
Barium	0.082	J	0.50	0.050	mg/L		10/31/14 08:30	11/01/14 06:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 08:30	11/01/14 06:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 08:30	11/01/14 06:41	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:41	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:41	1
Copper	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:41	1
Iron	<0.20		0.20	0.20	mg/L		10/31/14 08:30	11/01/14 06:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 08:30	11/01/14 06:41	1
Manganese	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:41	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:41	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(5-10)-102314

Lab Sample ID: 500-86632-11

Date Collected: 10/23/14 11:25

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.097	J B	0.10	0.020	mg/L		10/31/14 08:30	11/01/14 06:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Arsenic	3.2		0.52	0.10	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Barium	8.5	B	0.52	0.056	mg/Kg		11/05/14 10:10	11/08/14 03:33	1
Beryllium	0.25		0.21	0.042	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Cadmium	0.11		0.10	0.013	mg/Kg	☼	11/05/14 10:10	11/08/14 22:15	1
Calcium	90000		110	31	mg/Kg	☼	11/10/14 10:25	11/11/14 14:14	10
Chromium	4.8	B	0.52	0.060	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Cobalt	4.9		0.26	0.052	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Copper	14		0.52	0.10	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Iron	8700		10	4.3	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Lead	4.3	B	0.26	0.078	mg/Kg	☼	11/05/14 10:10	11/08/14 22:15	1
Magnesium	33000		5.2	1.1	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Manganese	210		0.52	0.10	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Nickel	8.9		0.52	0.10	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Potassium	780		26	1.6	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Selenium	<0.52		0.52	0.18	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Silver	0.044	J B	0.26	0.019	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Sodium	340		52	7.0	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Thallium	0.51	J	0.52	0.22	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Vanadium	12		0.26	0.039	mg/Kg	☼	11/05/14 10:10	11/08/14 03:33	1
Zinc	10		1.1	0.23	mg/Kg	☼	11/10/14 10:25	11/11/14 07:28	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 08:30	11/03/14 16:33	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		11/05/14 10:30	11/06/14 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 10:38	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	37		19	7.3	ug/Kg	☼	10/28/14 14:30	10/29/14 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.57		0.200	0.200	SU			11/04/14 12:51	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(10-15)-102314

Lab Sample ID: 500-86632-12

Date Collected: 10/23/14 11:35

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0		5.9	2.5	ug/Kg	☼		10/29/14 11:01	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		10/29/14 11:01	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/29/14 11:01	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		10/29/14 11:01	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		10/29/14 11:01	1
Carbon disulfide	<5.9		5.9	0.87	ug/Kg	☼		10/29/14 11:01	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		10/29/14 11:01	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		10/29/14 11:01	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		10/29/14 11:01	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		10/29/14 11:01	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 11:01	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		10/29/14 11:01	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		10/29/14 11:01	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		10/29/14 11:01	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		10/29/14 11:01	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/29/14 11:01	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		10/29/14 11:01	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		10/29/14 11:01	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		10/29/14 11:01	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 11:01	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		10/29/14 11:01	1
Methylene Chloride	<5.9 *		5.9	1.6	ug/Kg	☼		10/29/14 11:01	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		10/29/14 11:01	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		10/29/14 11:01	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		10/29/14 11:01	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		10/29/14 11:01	1
1,1,1,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 11:01	1
Tetrachloroethene	<5.9		5.9	0.89	ug/Kg	☼		10/29/14 11:01	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		10/29/14 11:01	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		10/29/14 11:01	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		10/29/14 11:01	1
1,1,1-Trichloroethane	<5.9		5.9	0.87	ug/Kg	☼		10/29/14 11:01	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		10/29/14 11:01	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		10/29/14 11:01	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		10/29/14 11:01	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		10/29/14 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122		10/29/14 11:01	1
Dibromofluoromethane	95		75 - 120		10/29/14 11:01	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134		10/29/14 11:01	1
Toluene-d8 (Surr)	107		75 - 122		10/29/14 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(10-15)-102314

Lab Sample ID: 500-86632-12

Date Collected: 10/23/14 11:35

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,4-Dinitrophenol	<770	*	770	670	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4,6-Dinitro-2-methylphenol	<380	*	380	310	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Benzo[b]fluoranthene	18	J	38	8.2	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Carbazole	<190		190	98	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Chrysene	41		38	10	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Fluoranthene	22	J	38	7.0	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(10-15)-102314

Lab Sample ID: 500-86632-12

Date Collected: 10/23/14 11:35

Matrix: Solid

Date Received: 10/24/14 06:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Isophorone	<190		190	43	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
N-Nitrosodi-n-propylamine	<190 *		190	46	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Pentachlorophenol	<770 *		770	610	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Phenanthrene	54		38	5.3	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Phenol	<190		190	84	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Pyrene	29 J		38	7.6	ug/Kg	☼	10/24/14 17:23	11/03/14 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		35 - 137				10/24/14 17:23	11/03/14 20:11	1
2-Fluorobiphenyl	50		25 - 119				10/24/14 17:23	11/03/14 20:11	1
2-Fluorophenol	61		25 - 110				10/24/14 17:23	11/03/14 20:11	1
Nitrobenzene-d5	50		25 - 115				10/24/14 17:23	11/03/14 20:11	1
Phenol-d5	44		31 - 110				10/24/14 17:23	11/03/14 20:11	1
Terphenyl-d14	74		36 - 134				10/24/14 17:23	11/03/14 20:11	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Barium	0.63		0.50	0.050	mg/L		11/06/14 07:00	11/06/14 21:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/06/14 07:00	11/06/14 21:11	1
Cadmium	<0.0050 ^		0.0050	0.0020	mg/L		11/06/14 07:00	11/06/14 21:11	1
Chromium	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Cobalt	0.028		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Copper	0.012 J		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Iron	<0.20		0.20	0.20	mg/L		11/06/14 07:00	11/06/14 21:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/06/14 07:00	11/06/14 21:11	1
Manganese	1.8		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Nickel	0.067		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Selenium	<0.050		0.050	0.020	mg/L		11/06/14 07:00	11/06/14 21:11	1
Silver	<0.025		0.025	0.010	mg/L		11/06/14 07:00	11/06/14 21:11	1
Zinc	0.18 B		0.10	0.020	mg/L		11/06/14 07:00	11/06/14 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1
Barium	0.083 J		0.50	0.050	mg/L		10/31/14 08:30	11/01/14 06:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/31/14 08:30	11/01/14 06:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/31/14 08:30	11/01/14 06:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1
Cobalt	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1
Copper	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1
Iron	0.24		0.20	0.20	mg/L		10/31/14 08:30	11/01/14 06:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/31/14 08:30	11/01/14 06:47	1
Manganese	0.022 J		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1
Nickel	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1
Silver	<0.025		0.025	0.010	mg/L		10/31/14 08:30	11/01/14 06:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Client Sample ID: IR-12(10-15)-102314

Lab Sample ID: 500-86632-12

Date Collected: 10/23/14 11:35

Matrix: Solid

Date Received: 10/24/14 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.021	J B	0.10	0.020	mg/L		10/31/14 08:30	11/01/14 06:47	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	☼	11/05/14 10:10	11/08/14 03:39	1
Arsenic	6.3		0.56	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Barium	34	B	0.56	0.060	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Beryllium	0.49		0.22	0.045	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Cadmium	0.15		0.11	0.014	mg/Kg	☼	11/05/14 10:10	11/08/14 22:21	1
Calcium	4000		11	3.0	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Chromium	14	B	0.56	0.065	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Cobalt	9.3		0.28	0.056	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Copper	29		0.56	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Iron	16000		11	4.6	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Lead	13	B	0.28	0.083	mg/Kg	☼	11/05/14 10:10	11/08/14 22:21	1
Magnesium	23000		5.6	1.1	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Manganese	310		0.56	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Nickel	26		0.56	0.11	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Potassium	2300		28	1.7	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Selenium	0.49	J	0.56	0.20	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Silver	0.10	J B	0.28	0.020	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Sodium	330		56	7.5	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Thallium	1.4		0.56	0.24	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Vanadium	15		0.28	0.041	mg/Kg	☼	11/05/14 10:10	11/08/14 03:39	1
Zinc	34		1.1	0.22	mg/Kg	☼	11/10/14 10:25	11/11/14 07:35	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.010	mg/L		10/31/14 08:30	11/03/14 16:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		11/05/14 10:30	11/06/14 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/31/14 11:55	11/03/14 10:40	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		18	6.9	ug/Kg	☼	10/28/14 14:30	10/29/14 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.43		0.200	0.200	SU			11/04/14 12:54	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery exceeds the control limits
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits

Metals

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

TestAmerica Chicago

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Circle Interchange - WO 091

TestAmerica Job ID: 500-86632-1

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
6020A	3010A	Solid	Selenium
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.



500-86632 COC

Report To (optional) S. Babu Siv Kumar
 Contact: S. Babu Siv Kumar
 Company: Weston Solutions Inc.
 Address: 750 E. Bay St 300 Plaza Cr. Ste 202
 Address: Mundelein, IL 60060
 Phone: 824-864-7200
 Fax: _____
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-86632
 Chain of Custody Number: _____
 Page 1 of 4
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments
Weston Solutions Inc				7 7 7 7 7						
Project Name		Lab Project #		Date		Time		# of Containers		Matrix
IDOT 091-I-290 at Morgan				10-23-14		0917		2 S		
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix
Chicago, IL		D. Wright		10-23-14		0925		2 S		
Sampler		Lab PM		Date		Time		# of Containers		Matrix
M. Doherty-Skubic		D. Wright		10-23-14		0945		2 S		
Lab ID		Sample ID		Date		Time		# of Containers		Matrix
MS/MSD				10-23-14		1000		2 S		
1		IR-10(0-5)-102314		10-23-14		0917		2 S		PH
2		IR-10(5-10)-102314		10-23-14		0925		2 S		
3		IR-10(10-15)-102314		10-23-14		0945		2 S		
4		IR-11(0-5)-102314		10-23-14		1000		2 S		
5		IR-11(5-10)-102314		10-23-14		1007		2 S		
6		IR-11(10-15)-102314		10-23-14		1015		2 S		
7		IR-11(15-20)-102314		10-23-14		1030		2 S		
8		IR-11(20-25)-102314		10-23-14		1046		2 S		
9		IR-11(20-25)-102314		10-23-14		1046		2 S		
10		IR-12(0-5)-102314		10-23-14		1119		2 S		

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

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

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

Relinquished By <u>[Signature]</u> Company <u>Weston</u> Date <u>10-23-14</u> Time <u>1802</u>	Received By <u>[Signature]</u> Company <u>TX</u> Date <u>10-23-14</u> Time <u>1802</u>	Lab Courier _____
Relinquished By <u>[Signature]</u> Company <u>TX</u> Date <u>10-23-14</u> Time <u>1900</u>	Received By <u>[Signature]</u> Company <u>TX</u> Date <u>10/24/14</u> Time <u>0600</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-86632
 Chain of Custody Number: _____
 Page 2 of 4
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		7		7		7		7		7		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Parameter		VOCs		SVOCs		TOTAL METALS		TRUP/SPLP METALS		PH		
Project Location/State		Lab Project #		Sampler		# of Containers		Matrix								
Chicago, IL				M. Doherty - Skubic		D. Wright										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TRUP/SPLP METALS	PH	Comments				
11		IR-12(5-10)-102314	10-23-14	1125	2	S	X	X	X	X	X					
12		IR-12(10-15)-102314	10-23-14	1135												
13		IR-13(5-10)-102314		1214												
14		IR-13(5-10)-102314		1223												
15		IR-13(10-15)-102314		1230												
16		IR-13(15-20)-102314		1245												
17		IR-13(20-25)-102314		1300												
18		IR-14(0-5)-102314		1322												
19		IR-14(0-5)-102314D		1322												
20		IR-14(5-10)-102314	10-23-14	1332	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

Sample Disposal

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>10-23-14</u> Time: <u>1802</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/22/14</u> Time: <u>1802</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10-23-14</u> Time: <u>1900</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/24/14</u> Time: <u>0600</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: _____
 Shipped: _____
 Hand Delivered: _____

Matrix Key

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

Client Comments: _____
 Lab Comments: _____