



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

11300-11400 blocks of US 20 and 17000 block of Harmony Road, (ISGS Site No. 2386V-2)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.161223293 Longitude: -88.527090103
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.161223293 Longitude: -88.527090103

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 AL-1 THROUGH AL-3 AND AL-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-2. SEE FIGURES 3-1/3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132755-1.
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

Michael Castillo, P.G.
 Printed Name:

Michael Castillo

Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

21 November 2017

Date:



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

Summary Table of ISGS Site No. 2386V-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	AL-1(0-4)-081617	AL-1(0-4)-081617D	AL-1(4-9.5)-081617	AL-2(0-4)-081617	AL-2(4-9.5)-081617	AL-3(0-4)-081617	AL-3(4-9.5)-081617	AL-6(0-4)-081617	AL-6(4-9.5)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	
Location ID	AL-1	AL-1	AL-1	AL-2	AL-2	AL-3	AL-3	AL-6	AL-6	
Depth	0 - 4	0 - 4	4 - 9.5	0 - 4	4 - 9.5	0 - 4	4 - 9.5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	
Parameter										
Laboratory pH	8.6	8.6	8.6	8.1	8.3	8.8	8.7	8.8	8.1	<6.5; >9.0
VOCs (ug/kg)	No Exceedances									
SVOCs (ug/kg)										
Benzo(a)pyrene	ND	ND	ND	45	16 J	55	ND	450	150	90 / 1300 / 2100
Total Metals (mg/kg)										
Antimony, Total	0.29 J	ND	ND	ND	ND	ND	0.28 J	ND	ND	5
Arsenic, Total	3.1 J-	3.1	3.7	3.1	3	3.7	2.4	3.8	1.9	11.3 / 13.0
Barium, Total	59	64	51	69	60	43	31	50	63	1500
Beryllium, Total	0.54	0.58	0.39	0.5	0.48	0.42	0.39	0.46	0.5	22
Cadmium, Total	0.14	0.13	0.18	0.29	0.19	0.2	0.11	0.17	0.15	5.2
Calcium, Total	13000 J	12000 J	100000 B	6700 B	87000 B	28000 B	110000 B	27000 B	7000 B	---
Chromium, Total	15	16	11	15	14	13	11	13	16	21
Cobalt, Total	7.1	7.5	6.2	6.5	6.9	5.7	5.6	6.1	5.9	20
Copper, Total	15 J-	14	12	14	16	15	13	13	17	2900
Iron, Total	14000 J	14000	12000	13000	12000	12000	10000	13000	12000	15000 / 15900
Lead, Total	8	8	5.7	40	6.5	20	4.6	17	10	107
Magnesium, Total	9700 J	8400	31000	5000	29000	16000	33000	18000	5400	325000
Manganese, Total	270 J	300	330	300	370	220	180	260	75	630 / 636
Mercury, Total	0.033 J	0.022	0.011 J	0.038	0.041	0.02	0.01 J	0.039	0.032	0.89
Nickel, Total	18	19	14	13	19	14	13	15	17	100
Potassium, Total	1100 J+	1200	1200	970	1100	1000	1200	1100	580	---
Selenium, Total	ND	ND	0.38 J	0.52 J	ND	ND	ND	ND	ND	1.3
Sodium, Total	270	290	430	1400	920	450	430	1000	620	---
Vanadium, Total	23	25	19	23	23	22	16	21	26	550
Zinc, Total	29	32	25	55	32	50	21	36	39	5100
TCLP Metals (mg/l)										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.43 J	0.53	0.35 J	0.34 J	0.4 J	0.42 J	0.32 J	0.49 J	0.29 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0023 J	ND	ND	ND	ND	ND	0.0022 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	0.011 J	ND	ND	ND	0.017 J	ND	1
Copper, TCLP	ND	ND	ND	ND	0.015 J	ND	ND	ND	0.012 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0079	ND	0.0075
Manganese, TCLP	0.063	0.08	0.32	3.7	0.57	0.021 J	0.39	4.7	1.2	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND	0.1
Zinc, TCLP	0.061 J	ND	ND	0.056 J	ND	0.042 J	ND	0.055 J	0.053 J	5

Summary Table of ISGS Site No. 2386V-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	AL-1(0-4)-081617	AL-1(0-4)-081617D	AL-1(4-9.5)-081617	AL-2(0-4)-081617	AL-2(4-9.5)-081617	AL-3(0-4)-081617	AL-3(4-9.5)-081617	AL-6(0-4)-081617	AL-6(4-9.5)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	
Location ID	AL-1	AL-1	AL-1	AL-2	AL-2	AL-3	AL-3	AL-6	AL-6	
Depth	0 - 4	0 - 4	4 - 9.5	0 - 4	4 - 9.5	0 - 4	4 - 9.5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	2386V-2	
Parameter										
SPLP Metals (mg/l)										
Arsenic, SPLP	ND	ND	ND	ND	0.011 J	0.03 J	ND	0.017 J	ND	0.05
Barium, SPLP	0.38 J	0.39 J	0.093 J	0.51	0.55	0.53	0.3 J	0.53	0.35 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.0044	0.0046	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.0022 J	ND	0.0023 J	ND	0.0021 J	0.0021 J	0.005
Chromium, SPLP	0.082	0.086	0.018 J	0.07	0.14	0.14	0.077	0.11	0.096	0.1
Cobalt, SPLP	0.013 J	0.014 J	ND	0.018 J	0.023 J	0.026	0.014 J	0.037	0.015 J	1
Copper, SPLP	0.074	0.091	0.016 J	0.1	0.1	0.15	0.074	0.15	0.097	0.65
Iron, SPLP	60 J+	65	11	53	100	120	54	91	60	5
Lead, SPLP	0.021	0.025	ND	0.18	0.044	0.14	0.027	0.17	0.042	0.0075
Manganese, SPLP	0.3	0.34	0.057	0.75	0.42	0.8	0.28	0.94	0.26	0.15
Mercury, SPLP	ND	ND	ND	0.00042	0.0002	0.00025	ND	0.0003	0.00021	0.002
Nickel, SPLP	0.065	0.069	0.011 J	0.049	0.099	0.12	0.056	0.11	0.059	0.1
Zinc, SPLP	0.11 J	0.13 J	0.031 J	0.24 J	0.21 J	0.42 J	0.1 J	0.26 J	0.15 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-132755-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:

8/25/2017 3:31:00 PM

Richard Wright, Senior Project Manager

(708)534-5200

richard.wright@testamericainc.com

LINKS

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617

Lab Sample ID: 500-132755-1

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.8	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/17/17 07:50	08/21/17 19:33	1
Dibromofluoromethane	96		75 - 126	08/17/17 07:50	08/21/17 19:33	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/17/17 07:50	08/21/17 19:33	1
Toluene-d8 (Surr)	94		75 - 124	08/17/17 07:50	08/21/17 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617

Lab Sample ID: 500-132755-1

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,4-Dichlorophenol	<380	F1	380	91	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,4-Dinitrophenol	<770	F1	770	670	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2-Methylnaphthalene	20	J	77	7.0	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
3 & 4 Methylphenol	<190	F1	190	64	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4,6-Dinitro-2-methylphenol	<770	F1	770	310	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4-Chloro-3-methylphenol	<380	F1	380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4-Chloroaniline	<770	F1	770	180	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Benzo[g,h,i]perylene	<38	F1	38	12	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Bis(2-chloroethyl)ether	<190	F1	190	57	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Carbazole	<190		190	95	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Chrysene	<38		38	10	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Dibenz(a,h)anthracene	<38	F1	38	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Dimethyl phthalate	<190	F1	190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Fluorene	5.4	J	38	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Hexachlorocyclopentadiene	<770	F1	770	220	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Hexachloroethane	<190	F1	190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617

Lab Sample ID: 500-132755-1

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Isophorone	<190	F1	190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
N-Nitrosodi-n-propylamine	<77	F1 F2	77	47	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Phenanthrene	21	J	38	5.3	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Phenol	<190		190	85	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Pyrene	<38		38	7.6	ug/Kg	☼	08/23/17 07:18	08/24/17 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		25 - 139				08/23/17 07:18	08/24/17 15:08	1
2-Fluorobiphenyl	75		44 - 121				08/23/17 07:18	08/24/17 15:08	1
2-Fluorophenol	92		46 - 133				08/23/17 07:18	08/24/17 15:08	1
Nitrobenzene-d5	75		41 - 120				08/23/17 07:18	08/24/17 15:08	1
Phenol-d5	91		46 - 125				08/23/17 07:18	08/24/17 15:08	1
Terphenyl-d14	96		35 - 160				08/23/17 07:18	08/24/17 15:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Barium	0.43	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 19:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 19:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 19:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Iron	0.31	J B	0.40	0.20	mg/L		08/20/17 08:49	08/21/17 19:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 19:56	1
Manganese	0.063		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 19:56	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 19:56	1
Zinc	0.061	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Barium	0.38	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 15:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 15:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 15:58	1
Chromium	0.082		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Cobalt	0.013	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Copper	0.074		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Iron	60		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 15:58	1
Lead	0.021		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 15:58	1
Manganese	0.30		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Nickel	0.065		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 15:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617

Lab Sample ID: 500-132755-1

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 15:58	1
Zinc	0.11	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 15:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J F1	1.1	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Arsenic	3.1	F1	0.55	0.19	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Barium	59		0.55	0.063	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Beryllium	0.54		0.22	0.052	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Cadmium	0.14		0.11	0.020	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Calcium	13000	B F2	11	1.9	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Chromium	15		0.55	0.27	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Cobalt	7.1		0.28	0.073	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Copper	15	F1	0.55	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Iron	14000		11	5.8	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Lead	8.0		0.28	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Magnesium	9700	F2	5.5	2.8	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Manganese	270	F2	0.55	0.080	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Nickel	18		0.55	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Potassium	1100	F1	28	9.8	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Selenium	<0.55	F1	0.55	0.33	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Silver	<0.28	F1	0.28	0.072	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Sodium	270		55	8.2	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Vanadium	23		0.28	0.065	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	1
Zinc	29		1.1	0.49	mg/Kg	☼	08/21/17 10:31	08/22/17 12:55	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		08/21/17 12:00	08/22/17 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		19	6.2	ug/Kg	☼	08/20/17 11:40	08/21/17 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/22/17 15:01	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617D

Lab Sample ID: 500-132755-2

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	8.0	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Benzene	<1.8		1.8	0.47	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Bromodichloromethane	<1.8		1.8	0.38	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Bromoform	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Carbon disulfide	<4.6		4.6	0.96	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Carbon tetrachloride	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Chlorobenzene	<1.8		1.8	0.68	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Chloroform	<1.8		1.8	0.64	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Chloromethane	<4.6		4.6	1.9	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
cis-1,2-Dichloroethene	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
cis-1,3-Dichloropropene	<1.8		1.8	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Dibromochloromethane	<1.8		1.8	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,1-Dichloroethane	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,2-Dichloropropane	<1.8		1.8	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,3-Dichloropropene, Total	<1.8		1.8	0.65	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Ethylbenzene	<1.8		1.8	0.88	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Methyl Ethyl Ketone	<4.6		4.6	2.0	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Methyl tert-butyl ether	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Styrene	<1.8		1.8	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Tetrachloroethene	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Toluene	<1.8		1.8	0.47	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
trans-1,2-Dichloroethene	<1.8		1.8	0.82	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
trans-1,3-Dichloropropene	<1.8		1.8	0.65	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,1,1-Trichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
1,1,2-Trichloroethane	<1.8		1.8	0.79	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Trichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Vinyl chloride	<1.8		1.8	0.82	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/17/17 07:50	08/21/17 19:57	1
Dibromofluoromethane	96		75 - 126	08/17/17 07:50	08/21/17 19:57	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/17/17 07:50	08/21/17 19:57	1
Toluene-d8 (Surr)	92		75 - 124	08/17/17 07:50	08/21/17 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617D

Lab Sample ID: 500-132755-2

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Carbazole	<190		190	96	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Chrysene	<38		38	11	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617D

Lab Sample ID: 500-132755-2

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Isophorone	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Phenol	<190		190	86	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Pyrene	<38		38	7.7	ug/Kg	☼	08/23/17 07:18	08/24/17 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		25 - 139				08/23/17 07:18	08/24/17 15:35	1
2-Fluorobiphenyl	68		44 - 121				08/23/17 07:18	08/24/17 15:35	1
2-Fluorophenol	85		46 - 133				08/23/17 07:18	08/24/17 15:35	1
Nitrobenzene-d5	68		41 - 120				08/23/17 07:18	08/24/17 15:35	1
Phenol-d5	85		46 - 125				08/23/17 07:18	08/24/17 15:35	1
Terphenyl-d14	93		35 - 160				08/23/17 07:18	08/24/17 15:35	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Barium	0.53		0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:00	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:00	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:00	1
Manganese	0.080		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:00	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:00	1
Zinc	<0.50		0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Barium	0.39	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:20	1
Chromium	0.086		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Copper	0.091		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Iron	65		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:20	1
Lead	0.025		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:20	1
Manganese	0.34		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Nickel	0.069		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(0-4)-081617D

Lab Sample ID: 500-132755-2

Date Collected: 08/16/17 08:45

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:20	1
Zinc	0.13	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Arsenic	3.1		0.57	0.19	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Barium	64		0.57	0.065	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Beryllium	0.58		0.23	0.053	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Cadmium	0.13		0.11	0.020	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Calcium	12000	B	11	1.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Chromium	16		0.57	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Cobalt	7.5		0.28	0.074	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Copper	14		0.57	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Iron	14000		11	5.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Lead	8.0		0.28	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Magnesium	8400		5.7	2.8	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Manganese	300		0.57	0.082	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Nickel	19		0.57	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Potassium	1200		28	10	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Sodium	290		57	8.4	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Vanadium	25		0.28	0.067	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	1
Zinc	32		1.1	0.50	mg/Kg	☼	08/21/17 10:31	08/22/17 13:13	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		08/21/17 12:00	08/22/17 08:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		17	5.8	ug/Kg	☼	08/20/17 11:40	08/21/17 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/22/17 15:04	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(4-9.5)-081617

Lab Sample ID: 500-132755-3

Date Collected: 08/16/17 08:55

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.3	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Chloromethane	<3.6		3.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,1-Dichloroethene	<1.4		1.4	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,3-Dichloropropene, Total	<1.4		1.4	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Styrene	<1.4		1.4	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
trans-1,2-Dichloroethene	<1.4		1.4	0.64	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
trans-1,3-Dichloropropene	<1.4		1.4	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
1,1,2-Trichloroethane	<1.4		1.4	0.62	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Trichloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Vinyl chloride	<1.4		1.4	0.64	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	08/17/17 07:50	08/21/17 20:22	1
Dibromofluoromethane	96		75 - 126	08/17/17 07:50	08/21/17 20:22	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/17/17 07:50	08/21/17 20:22	1
Toluene-d8 (Surr)	94		75 - 124	08/17/17 07:50	08/21/17 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(4-9.5)-081617

Lab Sample ID: 500-132755-3

Date Collected: 08/16/17 08:55

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Carbazole	<180		180	91	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Chrysene	<36		36	9.9	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(4-9.5)-081617

Lab Sample ID: 500-132755-3

Date Collected: 08/16/17 08:55

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.9

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	<36		36	9.4	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Isophorone	<180		180	41	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Phenol	<180		180	81	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1
Pyrene	<36		36	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		25 - 139	08/23/17 07:18	08/24/17 16:01	1
2-Fluorobiphenyl	77		44 - 121	08/23/17 07:18	08/24/17 16:01	1
2-Fluorophenol	86		46 - 133	08/23/17 07:18	08/24/17 16:01	1
Nitrobenzene-d5	75		41 - 120	08/23/17 07:18	08/24/17 16:01	1
Phenol-d5	86		46 - 125	08/23/17 07:18	08/24/17 16:01	1
Terphenyl-d14	93		35 - 160	08/23/17 07:18	08/24/17 16:01	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Barium	0.35	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:04	1
Manganese	0.32		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:04	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:04	1
Zinc	<0.50		0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:04	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		08/20/17 08:57	08/21/17 16:24	1
Barium	0.093	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:24	1
Chromium	0.018	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:24	1
Copper	0.016	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:24	1
Iron	11		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:24	1
Manganese	0.057		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:24	1
Nickel	0.011	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:24	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-1(4-9.5)-081617

Lab Sample ID: 500-132755-3

Date Collected: 08/16/17 08:55

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:24	1
Zinc	0.031	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Arsenic	3.7		0.56	0.19	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Barium	51		0.56	0.064	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Beryllium	0.39		0.23	0.053	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Cadmium	0.18		0.11	0.020	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Calcium	100000	B	110	19	mg/Kg	☼	08/21/17 10:31	08/23/17 13:54	10
Chromium	11		0.56	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Cobalt	6.2		0.28	0.074	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Copper	12		0.56	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Iron	12000		11	5.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Lead	5.7		0.28	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Magnesium	31000		5.6	2.8	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Manganese	330		0.56	0.082	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Nickel	14		0.56	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Potassium	1200		28	10	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Selenium	0.38	J	0.56	0.33	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Sodium	430		56	8.3	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Vanadium	19		0.28	0.066	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1
Zinc	25		1.1	0.49	mg/Kg	☼	08/21/17 10:31	08/22/17 13:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 08:51	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		08/21/17 12:00	08/22/17 09:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	16	5.5	ug/Kg	☼	08/20/17 11:40	08/21/17 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/22/17 15:06	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(0-4)-081617

Lab Sample ID: 500-132755-8

Date Collected: 08/16/17 10:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	18		16	7.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Carbon tetrachloride	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Chlorobenzene	<1.6		1.6	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
cis-1,3-Dichloropropene	<1.6		1.6	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Dibromochloromethane	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,1-Dichloroethene	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,2-Dichloropropane	<1.6		1.6	0.43	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,3-Dichloropropene, Total	<1.6		1.6	0.58	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Ethylbenzene	<1.6		1.6	0.79	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Styrene	<1.6		1.6	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Toluene	<1.6		1.6	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
trans-1,2-Dichloroethene	<1.6		1.6	0.73	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
trans-1,3-Dichloropropene	<1.6		1.6	0.58	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
1,1,2-Trichloroethane	<1.6		1.6	0.71	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Trichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Vinyl chloride	<1.6		1.6	0.73	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/17/17 07:50	08/21/17 22:25	1
Dibromofluoromethane	98		75 - 126	08/17/17 07:50	08/21/17 22:25	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/17/17 07:50	08/21/17 22:25	1
Toluene-d8 (Surr)	93		75 - 124	08/17/17 07:50	08/21/17 22:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(0-4)-081617

Lab Sample ID: 500-132755-8

Date Collected: 08/16/17 10:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Acenaphthylene	9.0	J	38	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Anthracene	11	J	38	6.5	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Benzo[a]anthracene	44		38	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Benzo[a]pyrene	45		38	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Benzo[b]fluoranthene	65		38	8.3	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Benzo[g,h,i]perylene	25	J	38	12	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Benzo[k]fluoranthene	34	J	38	11	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Carbazole	<190		190	97	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Chrysene	55		38	11	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Fluoranthene	86		38	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(0-4)-081617

Lab Sample ID: 500-132755-8

Date Collected: 08/16/17 10:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

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	22	J	38	10	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Isophorone	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Phenanthrene	40		38	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Phenol	<190		190	86	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Pyrene	73		38	7.7	ug/Kg	☼	08/23/17 07:18	08/24/17 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		25 - 139				08/23/17 07:18	08/24/17 21:46	1
2-Fluorobiphenyl	74		44 - 121				08/23/17 07:18	08/24/17 21:46	1
2-Fluorophenol	83		46 - 133				08/23/17 07:18	08/24/17 21:46	1
Nitrobenzene-d5	71		41 - 120				08/23/17 07:18	08/24/17 21:46	1
Phenol-d5	81		46 - 125				08/23/17 07:18	08/24/17 21:46	1
Terphenyl-d14	91		35 - 160				08/23/17 07:18	08/24/17 21:46	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Barium	0.34	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:25	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Cobalt	0.011	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:25	1
Manganese	3.7		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:25	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:25	1
Zinc	0.056	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:25	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		08/20/17 08:57	08/21/17 16:43	1
Barium	0.51		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:43	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:43	1
Chromium	0.070		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:43	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:43	1
Copper	0.10		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:43	1
Iron	53		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:43	1
Lead	0.18		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:43	1
Manganese	0.75		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:43	1
Nickel	0.049		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:43	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(0-4)-081617

Lab Sample ID: 500-132755-8

Date Collected: 08/16/17 10:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:43	1
Zinc	0.24	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Arsenic	3.1		0.59	0.20	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Barium	69		0.59	0.067	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Beryllium	0.50		0.23	0.055	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Cadmium	0.29		0.12	0.021	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Calcium	6700	B	12	2.0	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Chromium	15		0.59	0.29	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Cobalt	6.5		0.29	0.077	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Copper	14		0.59	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Iron	13000		12	6.1	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Lead	40		0.29	0.14	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Magnesium	5000		5.9	2.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Manganese	300		0.59	0.085	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Nickel	13		0.59	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Potassium	970		29	10	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Selenium	0.52	J	0.59	0.34	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Silver	<0.29		0.29	0.076	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Sodium	1400		59	8.7	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Vanadium	23		0.29	0.069	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	1
Zinc	55		1.2	0.51	mg/Kg	☼	08/21/17 10:31	08/22/17 13:44	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		08/21/17 12:00	08/22/17 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		19	6.2	ug/Kg	☼	08/20/17 11:40	08/21/17 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.20	0.20	SU			08/22/17 15:21	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(4-9.5)-081617

Lab Sample ID: 500-132755-9

Date Collected: 08/16/17 10:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.9	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/17/17 07:50	08/21/17 22:49	1
Dibromofluoromethane	97		75 - 126	08/17/17 07:50	08/21/17 22:49	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/17/17 07:50	08/21/17 22:49	1
Toluene-d8 (Surr)	95		75 - 124	08/17/17 07:50	08/21/17 22:49	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	☼	08/23/17 07:18	08/24/17 17:47	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(4-9.5)-081617

Lab Sample ID: 500-132755-9

Date Collected: 08/16/17 10:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.4

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	89	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2-Methylphenol	<200		200	62	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Anthracene	<39		39	6.5	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Benzo[a]anthracene	12 J		39	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Benzo[a]pyrene	16 J		39	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Benzo[b]fluoranthene	22 J		39	8.4	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Benzo[g,h,i]perylene	14 J		39	13	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Benzo[k]fluoranthene	11 J		39	11	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Carbazole	<200		200	97	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Chrysene	17 J		39	11	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Fluoranthene	30 J		39	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Hexachloroethane	<200		200	59	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(4-9.5)-081617

Lab Sample ID: 500-132755-9

Date Collected: 08/16/17 10:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.4

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	11	J	39	10	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Isophorone	<200		200	44	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Naphthalene	<39		39	6.0	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Pentachlorophenol	<790		790	620	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Phenanthrene	11	J	39	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Phenol	<200		200	87	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Pyrene	27	J	39	7.7	ug/Kg	☼	08/23/17 07:18	08/24/17 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	31		25 - 139				08/23/17 07:18	08/24/17 17:47	1
2-Fluorobiphenyl	80		44 - 121				08/23/17 07:18	08/24/17 17:47	1
2-Fluorophenol	89		46 - 133				08/23/17 07:18	08/24/17 17:47	1
Nitrobenzene-d5	79		41 - 120				08/23/17 07:18	08/24/17 17:47	1
Phenol-d5	84		46 - 125				08/23/17 07:18	08/24/17 17:47	1
Terphenyl-d14	86		35 - 160				08/23/17 07:18	08/24/17 17:47	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		08/20/17 08:49	08/21/17 20:37	1
Barium	0.40	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:37	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:37	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:37	1
Copper	0.015	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:37	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:37	1
Manganese	0.57		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:37	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:37	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:37	1
Zinc	<0.50		0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:37	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		08/20/17 08:57	08/21/17 16:47	1
Barium	0.55		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:47	1
Beryllium	0.0044		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:47	1
Chromium	0.14		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:47	1
Cobalt	0.023	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:47	1
Copper	0.10		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:47	1
Iron	100		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:47	1
Lead	0.044		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:47	1
Manganese	0.42		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:47	1
Nickel	0.099		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:47	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-2(4-9.5)-081617

Lab Sample ID: 500-132755-9

Date Collected: 08/16/17 10:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:47	1
Zinc	0.21	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Arsenic	3.0		0.58	0.20	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Barium	60		0.58	0.066	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Beryllium	0.48		0.23	0.054	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Cadmium	0.19		0.12	0.021	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Calcium	87000	B	120	20	mg/Kg	☼	08/21/17 10:31	08/23/17 14:05	10
Chromium	14		0.58	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Cobalt	6.9		0.29	0.075	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Copper	16		0.58	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Iron	12000		12	6.0	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Lead	6.5		0.29	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Magnesium	29000		5.8	2.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Manganese	370		0.58	0.083	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Nickel	19		0.58	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Potassium	1100		29	10	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Sodium	920		58	8.5	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Vanadium	23		0.29	0.068	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1
Zinc	32		1.2	0.51	mg/Kg	☼	08/21/17 10:31	08/22/17 13:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	41		17	5.8	ug/Kg	☼	08/20/17 11:40	08/21/17 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/22/17 15:23	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(0-4)-081617

Lab Sample ID: 500-132755-10

Date Collected: 08/16/17 10:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/17/17 07:50	08/21/17 23:14	1
Dibromofluoromethane	97		75 - 126	08/17/17 07:50	08/21/17 23:14	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/17/17 07:50	08/21/17 23:14	1
Toluene-d8 (Surr)	94		75 - 124	08/17/17 07:50	08/21/17 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(0-4)-081617

Lab Sample ID: 500-132755-10

Date Collected: 08/16/17 10:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2-Methylnaphthalene	<71		71	6.5	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Acenaphthylene	12	J	35	4.6	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Anthracene	11	J	35	5.9	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Benzo[a]anthracene	45		35	4.7	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Benzo[a]pyrene	55		35	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Benzo[b]fluoranthene	69		35	7.6	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Benzo[g,h,i]perylene	31	J	35	11	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Benzo[k]fluoranthene	35		35	10	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Carbazole	<180		180	88	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Chrysene	53		35	9.6	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Fluoranthene	81		35	6.5	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(0-4)-081617

Lab Sample ID: 500-132755-10

Date Collected: 08/16/17 10:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	28	J	35	9.1	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Isophorone	<180		180	39	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Phenanthrene	32	J	35	4.9	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Phenol	<180		180	78	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Pyrene	69		35	7.0	ug/Kg	☼	08/23/17 07:18	08/24/17 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		25 - 139				08/23/17 07:18	08/24/17 22:13	1
2-Fluorobiphenyl	85		44 - 121				08/23/17 07:18	08/24/17 22:13	1
2-Fluorophenol	95		46 - 133				08/23/17 07:18	08/24/17 22:13	1
Nitrobenzene-d5	85		41 - 120				08/23/17 07:18	08/24/17 22:13	1
Phenol-d5	87		46 - 125				08/23/17 07:18	08/24/17 22:13	1
Terphenyl-d14	90		35 - 160				08/23/17 07:18	08/24/17 22:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Barium	0.42	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:41	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:41	1
Manganese	0.021	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:41	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:41	1
Zinc	0.042	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.030	J	0.050	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Barium	0.53		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:50	1
Beryllium	0.0046		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:50	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:50	1
Chromium	0.14		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Cobalt	0.026		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Copper	0.15		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Iron	120		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:50	1
Lead	0.14		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:50	1
Manganese	0.80		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Nickel	0.12		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:50	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(0-4)-081617

Lab Sample ID: 500-132755-10

Date Collected: 08/16/17 10:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:50	1
Zinc	0.42	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Arsenic	3.7		0.54	0.19	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Barium	43		0.54	0.062	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Beryllium	0.42		0.22	0.051	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Cadmium	0.20		0.11	0.020	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Calcium	28000	B	11	1.8	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Chromium	13		0.54	0.27	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Cobalt	5.7		0.27	0.071	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Copper	15		0.54	0.15	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Iron	12000		11	5.7	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Lead	20		0.27	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Magnesium	16000		5.4	2.7	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Manganese	220		0.54	0.079	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Nickel	14		0.54	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Potassium	1000		27	9.6	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Sodium	450		54	8.1	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Vanadium	22		0.27	0.064	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	1
Zinc	50		1.1	0.48	mg/Kg	☼	08/21/17 10:31	08/22/17 13:52	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		08/21/17 12:00	08/22/17 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		17	5.6	ug/Kg	☼	08/20/17 11:40	08/21/17 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/22/17 15:26	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(4-9.5)-081617

Lab Sample ID: 500-132755-11

Date Collected: 08/16/17 10:35

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.6	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/17/17 07:50	08/21/17 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/17/17 07:50	08/21/17 23:39	1
Dibromofluoromethane	94		75 - 126	08/17/17 07:50	08/21/17 23:39	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/17/17 07:50	08/21/17 23:39	1
Toluene-d8 (Surr)	94		75 - 124	08/17/17 07:50	08/21/17 23:39	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	☼	08/23/17 07:18	08/24/17 18:14	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(4-9.5)-081617

Lab Sample ID: 500-132755-11

Date Collected: 08/16/17 10:35

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Carbazole	<190		190	92	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Chrysene	<37		37	10	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(4-9.5)-081617

Lab Sample ID: 500-132755-11

Date Collected: 08/16/17 10:35

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Isophorone	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Phenol	<190		190	82	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	38		25 - 139				08/23/17 07:18	08/24/17 18:14	1
2-Fluorobiphenyl	80		44 - 121				08/23/17 07:18	08/24/17 18:14	1
2-Fluorophenol	89		46 - 133				08/23/17 07:18	08/24/17 18:14	1
Nitrobenzene-d5	78		41 - 120				08/23/17 07:18	08/24/17 18:14	1
Phenol-d5	87		46 - 125				08/23/17 07:18	08/24/17 18:14	1
Terphenyl-d14	89		35 - 160				08/23/17 07:18	08/24/17 18:14	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Barium	0.32	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:45	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:45	1
Manganese	0.39		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:45	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:45	1
Zinc	<0.50		0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Barium	0.30	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:54	1
Chromium	0.077		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Copper	0.074		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Iron	54		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:54	1
Lead	0.027		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:54	1
Manganese	0.28		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Nickel	0.056		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-3(4-9.5)-081617

Lab Sample ID: 500-132755-11

Date Collected: 08/16/17 10:35

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:54	1
Zinc	0.10	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.21	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Arsenic	2.4		0.53	0.18	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Barium	31		0.53	0.061	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Beryllium	0.39		0.21	0.050	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Cadmium	0.11		0.11	0.019	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Calcium	110000	B	110	18	mg/Kg	☼	08/21/17 10:31	08/23/17 14:16	10
Chromium	11		0.53	0.26	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Cobalt	5.6		0.27	0.070	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Copper	13		0.53	0.15	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Iron	10000		11	5.5	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Lead	4.6		0.27	0.12	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Magnesium	33000		5.3	2.6	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Manganese	180		0.53	0.077	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Nickel	13		0.53	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Potassium	1200		27	9.4	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Sodium	430		53	7.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Vanadium	16		0.27	0.063	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	1
Zinc	21		1.1	0.47	mg/Kg	☼	08/21/17 10:31	08/22/17 13:55	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		08/21/17 12:00	08/22/17 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10	J	17	5.8	ug/Kg	☼	08/20/17 11:40	08/21/17 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.20	0.20	SU			08/22/17 15:28	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(0-4)-081617

Lab Sample ID: 500-132755-17

Date Collected: 08/16/17 11:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		15	6.6	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Carbon disulfide	<3.8		3.8	0.78	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/17/17 07:50	08/22/17 02:04	1
Dibromofluoromethane	97		75 - 126	08/17/17 07:50	08/22/17 02:04	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/17/17 07:50	08/22/17 02:04	1
Toluene-d8 (Surr)	95		75 - 124	08/17/17 07:50	08/22/17 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(0-4)-081617

Lab Sample ID: 500-132755-17

Date Collected: 08/16/17 11:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Acenaphthene	11 J		37	6.6	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Acenaphthylene	50		37	4.9	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Anthracene	61		37	6.2	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Benzo[a]anthracene	370		37	5.0	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Benzo[a]pyrene	450		37	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Benzo[b]fluoranthene	640		37	8.0	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Benzo[g,h,i]perylene	270		37	12	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Benzo[k]fluoranthene	250		37	11	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Carbazole	<190		190	92	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Chrysene	480		37	10	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Dibenz(a,h)anthracene	55		37	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Fluoranthene	970		37	6.9	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Fluorene	19 J		37	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(0-4)-081617

Lab Sample ID: 500-132755-17

Date Collected: 08/16/17 11:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.8

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	260		37	9.6	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Isophorone	<190		190	41	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Naphthalene	5.9 J		37	5.7	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Phenanthrene	320		37	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Phenol	<190		190	82	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Pyrene	770		37	7.3	ug/Kg	☼	08/23/17 07:18	08/24/17 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		25 - 139				08/23/17 07:18	08/24/17 20:27	1
2-Fluorobiphenyl	82		44 - 121				08/23/17 07:18	08/24/17 20:27	1
2-Fluorophenol	95		46 - 133				08/23/17 07:18	08/24/17 20:27	1
Nitrobenzene-d5	82		41 - 120				08/23/17 07:18	08/24/17 20:27	1
Phenol-d5	94		46 - 125				08/23/17 07:18	08/24/17 20:27	1
Terphenyl-d14	88		35 - 160				08/23/17 07:18	08/24/17 20:27	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Barium	0.49 J		0.50	0.050	mg/L		08/20/17 08:49	08/21/17 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 21:10	1
Cadmium	0.0022 J		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 21:10	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Cobalt	0.017 J		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 21:10	1
Lead	0.0079		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 21:10	1
Manganese	4.7		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Nickel	0.012 J		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 21:10	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:10	1
Zinc	0.055 J		0.50	0.020	mg/L		08/20/17 08:49	08/21/17 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017 J		0.050	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Barium	0.53		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 17:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 17:24	1
Cadmium	0.0021 J		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 17:24	1
Chromium	0.11		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Cobalt	0.037		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Copper	0.15		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Iron	91		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 17:24	1
Lead	0.17		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 17:24	1
Manganese	0.94		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Nickel	0.11		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 17:24	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(0-4)-081617

Lab Sample ID: 500-132755-17

Date Collected: 08/16/17 11:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:24	1
Zinc	0.26	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 17:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Arsenic	3.8		0.52	0.18	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Barium	50		0.52	0.059	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Beryllium	0.46		0.21	0.048	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Cadmium	0.17		0.10	0.019	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Calcium	27000	B	10	1.8	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Chromium	13		0.52	0.26	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Cobalt	6.1		0.26	0.068	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Copper	13		0.52	0.15	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Iron	13000		10	5.4	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Lead	17		0.26	0.12	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Magnesium	18000		5.2	2.6	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Manganese	260		0.52	0.075	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Nickel	15		0.52	0.15	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Potassium	1100		26	9.2	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Selenium	<0.52		0.52	0.30	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Sodium	1000		52	7.7	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Vanadium	21		0.26	0.061	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1
Zinc	36		1.0	0.46	mg/Kg	☼	08/21/17 10:31	08/22/17 14:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.30		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	39		19	6.3	ug/Kg	☼	08/20/17 11:40	08/21/17 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/22/17 15:43	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(4-9.5)-081617

Lab Sample ID: 500-132755-18

Date Collected: 08/16/17 11:53

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25		17	7.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,3-Dichloropropane, Total	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/17/17 07:50	08/22/17 02:28	1
Dibromofluoromethane	97		75 - 126	08/17/17 07:50	08/22/17 02:28	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/17/17 07:50	08/22/17 02:28	1
Toluene-d8 (Surr)	96		75 - 124	08/17/17 07:50	08/22/17 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(4-9.5)-081617

Lab Sample ID: 500-132755-18

Date Collected: 08/16/17 11:53

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,4-Dinitrophenol	<800		800	690	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Anthracene	17	J	39	6.6	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Benzo[a]anthracene	130		39	5.3	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Benzo[a]pyrene	150		39	7.6	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Benzo[b]fluoranthene	230		39	8.5	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Benzo[g,h,i]perylene	130		39	13	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Benzo[k]fluoranthene	90		39	12	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Carbazole	<200		200	99	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Chrysene	170		39	11	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Dibenz(a,h)anthracene	25	J	39	7.6	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Fluoranthene	330		39	7.3	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Fluorene	5.7	J	39	5.5	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Hexachlorobenzene	<80		80	9.1	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(4-9.5)-081617

Lab Sample ID: 500-132755-18

Date Collected: 08/16/17 11:53

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	110		39	10	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Isophorone	<200		200	44	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Phenanthrene	110		39	5.5	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Phenol	<200		200	88	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Pyrene	270		39	7.8	ug/Kg	☼	08/23/17 07:18	08/24/17 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		25 - 139				08/23/17 07:18	08/24/17 19:07	1
2-Fluorobiphenyl	84		44 - 121				08/23/17 07:18	08/24/17 19:07	1
2-Fluorophenol	98		46 - 133				08/23/17 07:18	08/24/17 19:07	1
Nitrobenzene-d5	84		41 - 120				08/23/17 07:18	08/24/17 19:07	1
Phenol-d5	96		46 - 125				08/23/17 07:18	08/24/17 19:07	1
Terphenyl-d14	90		35 - 160				08/23/17 07:18	08/24/17 19:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Barium	0.29	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 21:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 21:14	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Copper	0.012	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 21:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 21:14	1
Manganese	1.2		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 21:14	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:14	1
Zinc	0.053	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 21:14	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		08/20/17 08:57	08/21/17 17:28	1
Barium	0.35	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 17:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 17:28	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 17:28	1
Chromium	0.096		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:28	1
Cobalt	0.015	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:28	1
Copper	0.097		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:28	1
Iron	60		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 17:28	1
Lead	0.042		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 17:28	1
Manganese	0.26		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:28	1
Nickel	0.059		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 17:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: AL-6(4-9.5)-081617

Lab Sample ID: 500-132755-18

Date Collected: 08/16/17 11:53

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:28	1
Zinc	0.15	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 17:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Arsenic	1.9		0.56	0.19	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Barium	63		0.56	0.064	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Beryllium	0.50		0.22	0.052	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Cadmium	0.15		0.11	0.020	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Calcium	7000	B	11	1.9	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Chromium	16		0.56	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Cobalt	5.9		0.28	0.073	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Copper	17		0.56	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Iron	12000		11	5.8	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Lead	10		0.28	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Magnesium	5400		5.6	2.8	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Manganese	75		0.56	0.081	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Nickel	17		0.56	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Potassium	580		28	9.9	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Sodium	620		56	8.3	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Vanadium	26		0.28	0.066	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	1
Zinc	39		1.1	0.49	mg/Kg	☼	08/21/17 10:31	08/22/17 14:30	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		08/21/17 12:00	08/22/17 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		19	6.2	ug/Kg	☼	08/20/17 11:40	08/21/17 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.20	0.20	SU			08/22/17 15:45	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132755-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132755 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, #202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132755
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 23.218

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other				
Project Name		Lab Project #		Sampler		# of Containers	Matrix	VOCs	SVOCs	Total Metals		TEUP/SLP Metals	PH		
Project Location/State		Lab Project #		Lab PM											
Lab ID	MS/MSD	Sample ID	Date	Time	Matrix										
Weston Solutions		02056-014-060-0030													
iDot 060- vs 20 @ Harmony Rd				M. Doherty-Skubic		D. Wright									
Caroltownship, IL															
1		AL-1(0-4)-081617	8-16-17	0845	5 S	X	X	X	X	X					
2		AL-1(0-4)-081617D	8-16-17	0845											
3		AL-1(4-9.5)-081617	8-16-17	0855											
4		TB-1(0-3.5)-081617		0915											
5		TB-2(0-3.5)-081617		0930											
6		TB-3(0-3.5)-081617		0940											
7		TB-4(0-3.5)-081617		0953											
8		AL-2(0-4)-081617		1010											
9		AL-2(4-9.5)-081617		1015											
10		AL-3(0-4)-081617	8-16-17	1030	5 S	X	X	X	X	X					

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1524</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-CENT</u> Date: <u>8/17/17</u> Time: <u>0715</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
 Address: 300 Plaza Greer, Ste 202
 Address: Mundelein, IL
 Phone: 224-864-7200
 Fax: 224-864-7236
 E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132755
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative								
<u>Weston Solutions</u>		<u>02056.014.060.0030</u>										
Project Name		Lab Project #		Parameter								
<u>DOT 060-US 20@Harmony Rd</u>												
Project Location/State		Lab Project #		Parameter								
<u>Coart Township, IL</u>												
Sampler		Lab PM		Parameter								
<u>M. Osheny-Skubic</u>		<u>D. Wright</u>										
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TECP/SOP Metals	PH	Comments
			Date	Time								
<u>11</u>		<u>AL-3(4-9-5)-081617</u>	<u>8-16-17</u>	<u>1035</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>AL-4(0-4)-081617</u>		<u>1100</u>								
<u>13</u>		<u>AL-4(0-4)-081617</u>		<u>1100</u>								
<u>14</u>		<u>AL-4(4-9-5)-081617</u>		<u>1110</u>								
<u>15</u>		<u>AL-5(0-4)-081617</u>		<u>1125</u>								
<u>16</u>		<u>AL-5(4-9-5)-081617</u>		<u>1130</u>								
<u>17</u>		<u>AL-6(0-4)-081617</u>		<u>1148</u>								
<u>18</u>		<u>AL-6(4-9-5)-081617</u>		<u>1158</u>								
<u>19</u>		<u>RS-1(0-4)-081617</u>		<u>1210</u>								
<u>20</u>		<u>RS-2(0-2-4)-081617</u>	<u>8-16-17</u>	<u>1220</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1721</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHI</u> Date: <u>8/17/17</u> Time: <u>0715</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

11400 block of US 20, (ISGS Site No. 2386V-3)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.162730371 Longitude: -88.527543871
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony RoadLatitude: 42.162730371 Longitude: -88.527543871Uncontaminated Site Certification**III. Basis for Certification and Attachments**

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

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

LOCATIONS VL-1, VL-3 THROUGH VL-7, VL-12, VL-13, AND VL-15 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-3. SEE FIGURES 3-1/3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORTS - JOB IDs: 500-132888-1, 500-132889-1, 500-132931-6, and 500-132932-1. ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.Street Address: 300 Circle Plaza, Suite 202City: Mundelein State: IL Zip Code: 60060Phone: (224) 864-7200Michael Castillo, P.G.

Printed Name:

Michael CastilloLicensed Professional Engineer or
Licensed Professional Geologist Signature:21 November 2017

Date:



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

Summary Table of ISGS Site No. 2386V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	VL-1(0-6)-081817	VL-1(6-12)-081817	VL-1(6-12)-081817D	VL-3(0-6)-081817	VL-3(6-12)-081817	Soil Reference Concentrations ^A
Sample Date	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	
Location ID	VL-1	VL-1	VL-1	VL-3	VL-3	
Depth	0 - 6	6 - 12	6 - 12	0 - 6	6 - 12	
ISGS Site No.	2386V-3	2386V-3	2386V-3	2386V-3	2386V-3	
Parameter						
Laboratory pH	8.9	8.0	7.9	8.6	8.2	<6.5; >9.0
VOCs (ug/kg)	No Exceedances					
SVOCs (ug/kg)	No Exceedances					
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	4.2	1.8	1.8	2.4	2	11.3 / 13.0
Barium, Total	28	62	68	37	28	1500
Beryllium, Total	0.28	0.41	0.46	0.42	0.38	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	99000 B	6300 B	8900 B	63000 B	100000 B	---
Chromium, Total	8.2	11	12	11	10	21
Cobalt, Total	4.1	5.5	5.5	5.7	5	20
Copper, Total	14	9.8	11	11	12	2900
Iron, Total	9500	8100	8500	10000	9000	15000 / 15900
Lead, Total	24	7.3	7.9	7.1	4.4	107
Magnesium, Total	36000 B	3500 B	4800 B	18000 B	34000 B	325000
Manganese, Total	240	270	240	230	190	630 / 636
Mercury, Total	0.028	0.023	0.032	0.011 J	0.017 J	0.89
Nickel, Total	9.4	9.1	11	13	12	100
Potassium, Total	580	620	670	920	990	---
Selenium, Total	ND	0.38 J	0.33 J	ND	ND	1.3
Sodium, Total	910	1300	1300	850	440	---
Vanadium, Total	15	16	17	17	15	550
Zinc, Total	41 B	28 B	29 B	25 B	21 B	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.29 J	0.26 J	0.27 J	0.29 J	0.3 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	0.013 J	ND	ND	ND	0.65
Iron, TCLP	ND	0.28 J	0.58	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.72	2.8	2.7	1.8	1.3	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.011 J	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.016 J	ND	ND	0.024 J	ND	0.05
Barium, SPLP	0.34 J	0.4 J	0.37 J	0.55	0.27 J	2
Beryllium, SPLP	ND	ND	ND	0.0056	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.095	0.097	0.086	0.15	0.069	0.1
Cobalt, SPLP	0.016 J	0.018 J	0.014 J	0.036	0.013 J	1
Copper, SPLP	0.15	0.069	0.064	0.16	0.064	0.65
Iron, SPLP	81	69	58	130	54	5
Lead, SPLP	0.13	0.041	0.036	0.073	0.023	0.0075
Manganese, SPLP	0.69	0.74	0.65	1.2	0.39	0.15
Mercury, SPLP	ND	ND	0.00037	0.00023	ND	0.002
Nickel, SPLP	0.066	0.057	0.052	0.13	0.055	0.1
Zinc, SPLP	0.3 J	0.2 J	0.18 J	0.27 J	0.1 J	5

Summary Table of ISGS Site No. 2386V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	VL-4(0-6)-081817	VL-4(6-12)-081817	VL-5(0-6)-081817	VL-5(6-12)-081817	VL-6(0-6)-081817	Soil Reference Concentrations ^A
Sample Date	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	
Location ID	VL-4	VL-4	VL-5	VL-5	VL-6	
Depth	0 - 6	6 - 12	0 - 6	6 - 12	0 - 6	
ISGS Site No.	2386V-3	2386V-3	2386V-3	2386V-3	2386V-3	
Parameter						
Laboratory pH	8.6	8.9	8.6	8.4	8.4	<6.5; >9.0
VOCs (ug/kg)	No Exceedances					
SVOCs (ug/kg)	No Exceedances					
Total Metals (mg/kg)						
Antimony, Total	ND	0.36 J	ND	ND	ND	5
Arsenic, Total	2.1	2.2	1.8	1.9	2	11.3 / 13.0
Barium, Total	27	27	20	25	29	1500
Beryllium, Total	0.36	0.32	0.24	0.31	0.35	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	110000 B	110000 B	120000 B	130000 B	120000 B	---
Chromium, Total	10	9.1	7	9.5	9.8	21
Cobalt, Total	4.5	5.7	3.3	4.1	5	20
Copper, Total	12	12	9.1	11	12	2900
Iron, Total	9000	8800	6700	8900	8800	15000 / 15900
Lead, Total	4.1	4.3	2.6	3.8	4.8	107
Magnesium, Total	35000 B	35000	35000	31000	33000	325000
Manganese, Total	170	180	140	160	210	630 / 636
Mercury, Total	0.017	0.01 J	0.011 J	0.016 J	0.02	0.89
Nickel, Total	11	12	8.2	11	13	100
Potassium, Total	950	1100	880	1100	1300	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	590	710	750	460	670	---
Vanadium, Total	14	14	11	15	15	550
Zinc, Total	20 B	22	15	19	20	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.28 J	0.27 J	0.23 J	0.23 J	0.26 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.45	0.8	0.52	0.73	0.56	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.017 J	ND	ND	ND	ND	0.05
Barium, SPLP	0.39 J	0.35 J	0.28 J	0.29 J	0.26 J	2
Beryllium, SPLP	0.0041	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.1	0.1	0.07	0.083	0.069	0.1
Cobalt, SPLP	0.022 J	0.022 J	0.014 J	0.016 J	0.014 J	1
Copper, SPLP	0.13	0.1	0.095	0.083	0.078	0.65
Iron, SPLP	88 J+	77	59	67	53	5
Lead, SPLP	0.038	0.032	0.026	0.029	0.025	0.0075
Manganese, SPLP	0.51	0.52	0.35	0.43	0.33	0.15
Mercury, SPLP	0.0002	ND	ND	ND	ND	0.002
Nickel, SPLP	0.089	0.08	0.058	0.059	0.052	0.1
Zinc, SPLP	0.18 J	0.16 J	0.14 J	0.14 J	0.12 J	5

Summary Table of ISGS Site No. 2386V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	VL-6(6-12)-081817	VL-7(0-6)-082117	VL-7(6-12)-082117	VL-12(0-6)-082117	VL-12(6-12)-082117	Soil Reference Concentrations ^A
Sample Date	8/18/2017	8/21/2017	8/21/2017	8/21/2017	8/21/2017	
Location ID	VL-6	VL-7	VL-7	VL-12	VL-12	
Depth	6 - 12	0 - 6	6 - 12	0 - 6	6 - 12	
ISGS Site No.	2386V-3	2386V-3	2386V-3	2386V-3	2386V-3	
Parameter						
Laboratory pH	8.2	8.7	8.9	8.3	8.4	<6.5; >9.0
VOCs (ug/kg)	No Exceedances					
SVOCs (ug/kg)	No Exceedances					
Total Metals (mg/kg)						
Antimony, Total	ND	0.44 J	0.52 J	0.21 J	0.46 J	5
Arsenic, Total	1.5	3	2.1	2	1.4	11.3 / 13.0
Barium, Total	23	56	30	58	25	1500
Beryllium, Total	0.29	0.61	0.38	0.44	0.33	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	170000 B	19000 B	97000 B	8500 B	93000 B	---
Chromium, Total	9.4	17	10	16	10	21
Cobalt, Total	4.8	7.3	5.7	5.5	4.4	20
Copper, Total	11	17	11	14	10	2900
Iron, Total	7300	14000 B	9300 B	12000 B	7500 B	15000 / 15900
Lead, Total	4.2	21	5.2	19	4.2	107
Magnesium, Total	44000	11000	36000	5500	37000	325000
Manganese, Total	160	140	190	130	180	630 / 636
Mercury, Total	0.016	0.027	0.014 J	0.027	0.012 J	0.89
Nickel, Total	10	20	14	13	12	100
Potassium, Total	1200	1200	1300	570	1100	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	290	2600 B	350 B	2000 B	410 B	---
Vanadium, Total	12	23	16	21	15	550
Zinc, Total	18	51	24	40	21	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.27 J	0.61	0.32 J	0.39 J	0.38 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	0.0024 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.014 J	ND	0.015 J	ND	1
Copper, TCLP	0.021 J	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.98	3.6	1.1	3.6	1.5	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.013 J	0.013 J	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.036 J	ND	0.032 J	ND	0.05
Barium, SPLP	0.15 J	0.75	0.25 J	0.68	0.15 J	2
Beryllium, SPLP	ND	0.0065	ND	0.0058	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.0024 J	ND	0.005
Chromium, SPLP	0.03	0.18	0.043	0.19	ND	0.1
Cobalt, SPLP	ND	0.048	ND	0.052	ND	1
Copper, SPLP	0.025	0.2	0.051	0.16	0.03 J	0.65
Iron, SPLP	18	140	30	150	2.2	5
Lead, SPLP	0.011	0.29	0.015	0.27	ND	0.0075
Manganese, SPLP	0.18	1.5	0.27	1.7	0.066	0.15
Mercury, SPLP	ND	0.00033	ND	0.00021	ND	0.002
Nickel, SPLP	0.023 J	0.15	0.031	0.13	ND	0.1
Zinc, SPLP	0.047 J	0.53	0.11 J	0.4 J	0.1 J	5

Summary Table of ISGS Site No. 2386V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	VL-13(0-6)-082117	VL-13(6-12)-082117	VL-15(0-6)-082117	VL-15(6-12)-082117	Soil Reference Concentrations ^A
Sample Date	8/21/2017	8/21/2017	8/21/2017	8/21/2017	
Location ID	VL-13	VL-13	VL-15	VL-15	
Depth	0 - 6	6 - 12	0 - 6	6 - 12	
ISGS Site No.	2386V-3	2386V-3	2386V-3	2386V-3	
Parameter					
Laboratory pH	8.8	8.0	8.8	8.8	<6.5; >9.0
VOCs (ug/kg) No Exceedances					
SVOCs (ug/kg) No Exceedances					
Total Metals (mg/kg)					
Antimony, Total	0.4 J	0.45 J	ND	ND	5
Arsenic, Total	2.7	1.3	2.9	2.2	11.3 / 13.0
Barium, Total	49	27	48	29	1500
Beryllium, Total	0.39	0.36	0.43	0.32	22
Cadmium, Total	0.29 B	ND	ND	ND	5.2
Calcium, Total	31000 B	94000 B	32000 B	91000 B	---
Chromium, Total	11	9.7	13	9.5	21
Cobalt, Total	4.6	4.5	4.5	5.4	20
Copper, Total	14	9.4	15	11	2900
Iron, Total	9200 B	8200 B	11000	9300	15000 / 15900
Lead, Total	58	4	57	4.1	107
Magnesium, Total	20000	38000	21000 B	37000 B	325000
Manganese, Total	240	190	230 B	220 B	630 / 636
Mercury, Total	0.024	0.014 J	0.026	0.016 J	0.89
Nickel, Total	10	11	11	12	100
Potassium, Total	700	1200	850	1100	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	1300 B	250 B	1100	270	---
Vanadium, Total	18	14	20	16	550
Zinc, Total	64	19	50 B	19 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.38 J	0.41 J	0.34 J	0.3 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0029 J	ND	0.0023 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	0.014 J	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.12	1.8	0.13	1.6	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.024 J	0.1
Zinc, TCLP	ND	ND	ND	ND	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.019 J	ND	0.015 J	ND	0.05
Barium, SPLP	0.62	ND	0.52	0.18 J	2
Beryllium, SPLP	0.004	ND	ND	ND	0.004
Cadmium, SPLP	0.0029 J	ND	0.0026 J	ND	0.005
Chromium, SPLP	0.14	ND	0.12	0.041	0.1
Cobalt, SPLP	0.025	ND	0.022 J	ND	1
Copper, SPLP	0.12	0.012 J	0.11	0.032	0.65
Iron, SPLP	97	0.55	91	29	5
Lead, SPLP	0.36	ND	0.23	0.012	0.0075
Manganese, SPLP	1.1	0.025	0.77	0.22	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.085	ND	0.08	0.029	0.1
Zinc, SPLP	0.66	ND	0.44 J	0.054 J	5

Notes:

- - not applicable or value not available.
- ^A - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.
- ND - Constituent not detected above the reporting limit.
- B - Constituent detected in the laboratory blank and investigative samples.
- J - Estimated concentration.
- J+ - Estimated concentration, biased high.
- 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: 500-132888-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 4:40:49 PM

Richard Wright, Senior Project Manager
(708)534-5200
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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 - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(0-6)-081817

Lab Sample ID: 500-132888-15

Date Collected: 08/18/17 11:43

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.7	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Dibromochloromethane	<1.8		1.8	0.57	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,1-Dichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/19/17 12:20	08/24/17 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/19/17 12:20	08/24/17 00:56	1
Dibromofluoromethane	99		75 - 126	08/19/17 12:20	08/24/17 00:56	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	08/19/17 12:20	08/24/17 00:56	1
Toluene-d8 (Surr)	98		75 - 124	08/19/17 12:20	08/24/17 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(0-6)-081817

Lab Sample ID: 500-132888-15

Date Collected: 08/18/17 11:43

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2-Methylnaphthalene	8.1	J	73	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Benzo[a]anthracene	9.3	J	36	4.9	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Benzo[a]pyrene	12	J	36	7.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Benzo[b]fluoranthene	21	J	36	7.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Carbazole	<180		180	91	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Chrysene	14	J	36	9.9	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Fluoranthene	18	J	36	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(0-6)-081817

Lab Sample ID: 500-132888-15

Date Collected: 08/18/17 11:43

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Isophorone	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Phenanthrene	14	J	36	5.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Phenol	<180		180	81	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1
Pyrene	<36		36	7.2	ug/Kg	☼	08/25/17 11:55	08/29/17 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		25 - 139	08/25/17 11:55	08/29/17 02:59	1
2-Fluorobiphenyl	77		44 - 121	08/25/17 11:55	08/29/17 02:59	1
2-Fluorophenol	108		46 - 133	08/25/17 11:55	08/29/17 02:59	1
Nitrobenzene-d5	77		41 - 120	08/25/17 11:55	08/29/17 02:59	1
Phenol-d5	90		46 - 125	08/25/17 11:55	08/29/17 02:59	1
Terphenyl-d14	99		35 - 160	08/25/17 11:55	08/29/17 02:59	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Barium	0.29	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:33	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:33	1
Manganese	0.72		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:33	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:33	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Barium	0.34	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:54	1
Chromium	0.095		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Cobalt	0.016	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Copper	0.15		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Iron	81		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:54	1
Lead	0.13		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:54	1
Manganese	0.69		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Nickel	0.066		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(0-6)-081817

Lab Sample ID: 500-132888-15

Date Collected: 08/18/17 11:43

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:54	1
Zinc	0.30	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Arsenic	4.2		0.53	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Barium	28		0.53	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Beryllium	0.28		0.21	0.050	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Cadmium	0.16	B	0.11	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Calcium	99000	B	53	9.0	mg/Kg	☼	08/24/17 10:30	08/25/17 14:39	5
Chromium	8.2		0.53	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Cobalt	4.1		0.27	0.070	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Copper	14		0.53	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Iron	9500		11	5.5	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Lead	24		0.27	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Magnesium	36000	B	5.3	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Manganese	240		0.53	0.077	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Nickel	9.4		0.53	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Potassium	580		27	9.4	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Sodium	910		53	7.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Vanadium	15		0.27	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1
Zinc	41	B	1.1	0.47	mg/Kg	☼	08/24/17 10:30	08/24/17 20:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		16	5.3	ug/Kg	☼	08/23/17 10:00	08/23/17 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/23/17 08:14	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817

Lab Sample ID: 500-132888-16

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 77.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	31		19	8.1	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Carbon disulfide	<4.7		4.7	0.97	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Methylene Chloride	<4.7		4.7	1.8	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
trans-1,2-Dichloroethene	<1.9		1.9	0.83	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Vinyl chloride	<1.9		1.9	0.83	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1
Xylenes, Total	<3.7		3.7	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/19/17 12:20	08/24/17 01:21	1
Dibromofluoromethane	102		75 - 126	08/19/17 12:20	08/24/17 01:21	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/19/17 12:20	08/24/17 01:21	1
Toluene-d8 (Surr)	97		75 - 124	08/19/17 12:20	08/24/17 01:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817

Lab Sample ID: 500-132888-16

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2-Methylphenol	<200		200	65	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Anthracene	<40		40	6.7	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Carbazole	<200		200	100	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Chrysene	<40		40	11	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Dibenzofuran	<200		200	47	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Fluoranthene	12 J		40	7.5	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Fluorene	<40		40	5.7	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Hexachloroethane	<200		200	61	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817

Lab Sample ID: 500-132888-16

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Isophorone	<200		200	45	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Naphthalene	<40		40	6.2	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Nitrobenzene	<40		40	10	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Phenanthrene	9.7	J	40	5.6	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Phenol	<200		200	90	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1
Pyrene	<40		40	8.0	ug/Kg	☼	08/25/17 11:55	08/28/17 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		25 - 139	08/25/17 11:55	08/28/17 23:36	1
2-Fluorobiphenyl	83		44 - 121	08/25/17 11:55	08/28/17 23:36	1
2-Fluorophenol	106		46 - 133	08/25/17 11:55	08/28/17 23:36	1
Nitrobenzene-d5	86		41 - 120	08/25/17 11:55	08/28/17 23:36	1
Phenol-d5	71		46 - 125	08/25/17 11:55	08/28/17 23:36	1
Terphenyl-d14	122		35 - 160	08/25/17 11:55	08/28/17 23:36	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Barium	0.26	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:45	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Copper	0.013	J	0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Iron	0.28	J	0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:45	1
Manganese	2.8		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:45	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:45	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Barium	0.40	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:58	1
Chromium	0.097		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Copper	0.069		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Iron	69		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:58	1
Lead	0.041		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:58	1
Manganese	0.74		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Nickel	0.057		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817

Lab Sample ID: 500-132888-16

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:58	1
Zinc	0.20	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Arsenic	1.8		0.56	0.19	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Barium	62		0.56	0.064	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Beryllium	0.41		0.23	0.053	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Calcium	6300	B	11	1.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Chromium	11		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Cobalt	5.5		0.28	0.074	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Copper	9.8		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Iron	8100		11	5.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Lead	7.3		0.28	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Magnesium	3500	B	5.6	2.8	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Manganese	270		0.56	0.082	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Nickel	9.1		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Potassium	620		28	10	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Selenium	0.38	J	0.56	0.33	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Sodium	1300		56	8.3	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Vanadium	16		0.28	0.067	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1
Zinc	28	B	1.1	0.50	mg/Kg	☼	08/24/17 10:30	08/24/17 20:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		21	7.1	ug/Kg	☼	08/23/17 10:00	08/23/17 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.20	0.20	SU			08/23/17 08:17	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817D

Lab Sample ID: 500-132888-17

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 74.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	37		20	8.6	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Benzene	<2.0		2.0	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Bromodichloromethane	<2.0		2.0	0.40	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Bromoform	<2.0		2.0	0.58	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Bromomethane	<4.9		4.9	1.9	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Carbon disulfide	<4.9		4.9	1.0	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Carbon tetrachloride	<2.0		2.0	0.57	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Chlorobenzene	<2.0		2.0	0.73	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Chloroethane	<4.9		4.9	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Chloroform	<2.0		2.0	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Chloromethane	<4.9		4.9	2.0	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
cis-1,2-Dichloroethene	<2.0		2.0	0.55	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
cis-1,3-Dichloropropene	<2.0		2.0	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Dibromochloromethane	<2.0		2.0	0.65	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,1-Dichloroethane	<2.0		2.0	0.68	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,2-Dichloroethane	<4.9		4.9	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,1-Dichloroethene	<2.0		2.0	0.68	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,2-Dichloropropane	<2.0		2.0	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,3-Dichloropropene, Total	<2.0		2.0	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Ethylbenzene	<2.0		2.0	0.95	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
2-Hexanone	<4.9		4.9	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Methylene Chloride	<4.9		4.9	1.9	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Methyl Ethyl Ketone	<4.9		4.9	2.2	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
methyl isobutyl ketone	<4.9		4.9	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Methyl tert-butyl ether	<2.0		2.0	0.58	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Styrene	<2.0		2.0	0.60	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.63	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Tetrachloroethene	<2.0		2.0	0.67	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Toluene	<2.0		2.0	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
trans-1,2-Dichloroethene	<2.0		2.0	0.87	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
trans-1,3-Dichloropropene	<2.0		2.0	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,1,1-Trichloroethane	<2.0		2.0	0.66	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
1,1,2-Trichloroethane	<2.0		2.0	0.85	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Trichloroethene	<2.0		2.0	0.67	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Vinyl chloride	<2.0		2.0	0.87	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1
Xylenes, Total	<4.0		4.0	0.63	ug/Kg	☼	08/19/17 12:20	08/24/17 01:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/19/17 12:20	08/24/17 01:45	1
Dibromofluoromethane	101		75 - 126	08/19/17 12:20	08/24/17 01:45	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/19/17 12:20	08/24/17 01:45	1
Toluene-d8 (Surr)	96		75 - 124	08/19/17 12:20	08/24/17 01:45	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	46	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
1,4-Dichlorobenzene	<210		210	55	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817D

Lab Sample ID: 500-132888-17

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 74.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	97	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,4-Dinitrotoluene	<210		210	68	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2,6-Dinitrotoluene	<210		210	84	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2-Chlorophenol	<210		210	73	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2-Methylnaphthalene	<86		86	7.8	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2-Methylphenol	<210		210	68	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
3,3'-Dichlorobenzidine	<210		210	60	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4,6-Dinitro-2-methylphenol	<860		860	340	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
4-Nitrophenol	<860		860	410	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Acenaphthene	<42		42	7.7	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Anthracene	<42		42	7.1	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Benzo[a]anthracene	<42		42	5.7	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Benzo[a]pyrene	<42		42	8.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Benzo[b]fluoranthene	<42		42	9.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Benzo[k]fluoranthene	<42		42	13	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Carbazole	<210		210	110	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Chrysene	<42		42	12	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Dibenz(a,h)anthracene	<42		42	8.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Dibenzofuran	<210		210	50	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Dimethyl phthalate	<210		210	56	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Di-n-octyl phthalate	<210		210	70	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Fluoranthene	18 J		42	7.9	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Fluorene	<42		42	6.0	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Hexachlorobenzene	<86		86	9.9	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Hexachlorocyclopentadiene	<860		860	250	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Hexachloroethane	<210		210	65	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817D

Lab Sample ID: 500-132888-17

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 74.9

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	<42		42	11	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Isophorone	<210		210	48	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Naphthalene	<42		42	6.6	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Nitrobenzene	<42		42	11	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
N-Nitrosodi-n-propylamine	<86		86	52	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Phenanthrene	13	J	42	5.9	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Phenol	<210		210	95	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1
Pyrene	<42		42	8.5	ug/Kg	☼	08/25/17 11:55	08/29/17 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		25 - 139	08/25/17 11:55	08/29/17 00:05	1
2-Fluorobiphenyl	84		44 - 121	08/25/17 11:55	08/29/17 00:05	1
2-Fluorophenol	97		46 - 133	08/25/17 11:55	08/29/17 00:05	1
Nitrobenzene-d5	75		41 - 120	08/25/17 11:55	08/29/17 00:05	1
Phenol-d5	30	X	46 - 125	08/25/17 11:55	08/29/17 00:05	1
Terphenyl-d14	102		35 - 160	08/25/17 11:55	08/29/17 00:05	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Barium	0.27	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Iron	0.58		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:49	1
Manganese	2.7		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:49	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:49	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:49	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		08/23/17 09:27	08/24/17 02:02	1
Barium	0.37	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 02:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 02:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 02:02	1
Chromium	0.086		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:02	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:02	1
Copper	0.064		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:02	1
Iron	58		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 02:02	1
Lead	0.036		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 02:02	1
Manganese	0.65		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:02	1
Nickel	0.052		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 02:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-1(6-12)-081817D

Lab Sample ID: 500-132888-17

Date Collected: 08/18/17 11:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 74.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:02	1
Zinc	0.18	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 02:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Arsenic	1.8		0.56	0.19	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Barium	68		0.56	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Beryllium	0.46		0.22	0.052	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Calcium	8900	B	11	1.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Chromium	12		0.56	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Cobalt	5.5		0.28	0.073	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Copper	11		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Iron	8500		11	5.8	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Lead	7.9		0.28	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Magnesium	4800	B	5.6	2.8	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Manganese	240		0.56	0.081	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Nickel	11		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Potassium	670		28	9.8	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Selenium	0.33	J	0.56	0.33	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Sodium	1300		56	8.2	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Vanadium	17		0.28	0.066	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1
Zinc	29	B	1.1	0.49	mg/Kg	☼	08/24/17 10:30	08/24/17 20:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		22	7.2	ug/Kg	☼	08/23/17 10:00	08/23/17 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.20	0.20	SU			08/23/17 08:19	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(0-6)-081817

Lab Sample ID: 500-132888-18

Date Collected: 08/18/17 12:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	15		14	6.3	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Chloromethane	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,1-Dichloroethene	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,3-Dichloropropane, Total	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Styrene	<1.4		1.4	0.44	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
trans-1,2-Dichloroethene	<1.4		1.4	0.64	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
trans-1,3-Dichloropropene	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
1,1,2-Trichloroethane	<1.4		1.4	0.62	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Trichloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Vinyl chloride	<1.4		1.4	0.64	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	08/19/17 12:20	08/24/17 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	08/19/17 12:20	08/24/17 02:10	1
Dibromofluoromethane	97		75 - 126	08/19/17 12:20	08/24/17 02:10	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	08/19/17 12:20	08/24/17 02:10	1
Toluene-d8 (Surr)	96		75 - 124	08/19/17 12:20	08/24/17 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(0-6)-081817

Lab Sample ID: 500-132888-18

Date Collected: 08/18/17 12:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Fluoranthene	8.1	J	37	6.9	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(0-6)-081817

Lab Sample ID: 500-132888-18

Date Collected: 08/18/17 12:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Phenol	<190		190	83	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/25/17 11:55	08/29/17 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		25 - 139				08/25/17 11:55	08/29/17 00:34	1
2-Fluorobiphenyl	79		44 - 121				08/25/17 11:55	08/29/17 00:34	1
2-Fluorophenol	109		46 - 133				08/25/17 11:55	08/29/17 00:34	1
Nitrobenzene-d5	87		41 - 120				08/25/17 11:55	08/29/17 00:34	1
Phenol-d5	80		46 - 125				08/25/17 11:55	08/29/17 00:34	1
Terphenyl-d14	97		35 - 160				08/25/17 11:55	08/29/17 00:34	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Barium	0.29	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:53	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:53	1
Manganese	1.8		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:53	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:53	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Barium	0.55		0.50	0.050	mg/L		08/23/17 09:27	08/24/17 02:05	1
Beryllium	0.0056		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 02:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 02:05	1
Chromium	0.15		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Cobalt	0.036		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Copper	0.16		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Iron	130		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 02:05	1
Lead	0.073		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 02:05	1
Manganese	1.2		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Nickel	0.13		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 02:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(0-6)-081817

Lab Sample ID: 500-132888-18

Date Collected: 08/18/17 12:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:05	1
Zinc	0.27	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 02:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.93		0.93	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Arsenic	2.4		0.47	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Barium	37		0.47	0.053	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Beryllium	0.42		0.19	0.044	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Cadmium	0.089	J B	0.093	0.017	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Calcium	63000	B	47	7.9	mg/Kg	☼	08/24/17 10:30	08/25/17 14:43	5
Chromium	11		0.47	0.23	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Cobalt	5.7		0.23	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Copper	11		0.47	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Iron	10000		9.3	4.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Lead	7.1		0.23	0.11	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Magnesium	18000	B	4.7	2.3	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Manganese	230		0.47	0.068	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Nickel	13		0.47	0.14	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Potassium	920		23	8.3	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Selenium	<0.47		0.47	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Silver	<0.23		0.23	0.060	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Sodium	850		47	6.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Vanadium	17		0.23	0.055	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1
Zinc	25	B	0.93	0.41	mg/Kg	☼	08/24/17 10:30	08/24/17 20:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	19	6.3	ug/Kg	☼	08/23/17 10:00	08/23/17 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/23/17 08:24	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(6-12)-081817

Lab Sample ID: 500-132888-19

Date Collected: 08/18/17 12:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	J	15	6.4	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	08/19/17 12:20	08/24/17 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/19/17 12:20	08/24/17 02:35	1
Dibromofluoromethane	101		75 - 126	08/19/17 12:20	08/24/17 02:35	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	08/19/17 12:20	08/24/17 02:35	1
Toluene-d8 (Surr)	100		75 - 124	08/19/17 12:20	08/24/17 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(6-12)-081817

Lab Sample ID: 500-132888-19

Date Collected: 08/18/17 12:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2-Methylnaphthalene	<71		71	6.5	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Carbazole	<180		180	88	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Chrysene	<35		35	9.6	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(6-12)-081817

Lab Sample ID: 500-132888-19

Date Collected: 08/18/17 12:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.2	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Phenol	<180		180	79	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Pyrene	<35		35	7.0	ug/Kg	☼	08/25/17 11:55	08/29/17 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		25 - 139				08/25/17 11:55	08/29/17 01:03	1
2-Fluorobiphenyl	79		44 - 121				08/25/17 11:55	08/29/17 01:03	1
2-Fluorophenol	105		46 - 133				08/25/17 11:55	08/29/17 01:03	1
Nitrobenzene-d5	84		41 - 120				08/25/17 11:55	08/29/17 01:03	1
Phenol-d5	95		46 - 125				08/25/17 11:55	08/29/17 01:03	1
Terphenyl-d14	103		35 - 160				08/25/17 11:55	08/29/17 01:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Barium	0.30	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:57	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:57	1
Manganese	1.3		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Nickel	0.011	J	0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:57	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:57	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:57	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		08/23/17 09:27	08/24/17 02:09	1
Barium	0.27	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 02:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 02:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 02:09	1
Chromium	0.069		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:09	1
Cobalt	0.013	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:09	1
Copper	0.064		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:09	1
Iron	54		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 02:09	1
Lead	0.023		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 02:09	1
Manganese	0.39		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:09	1
Nickel	0.055		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:09	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 02:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-3(6-12)-081817

Lab Sample ID: 500-132888-19

Date Collected: 08/18/17 12:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:09	1
Zinc	0.10	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 02:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Arsenic	2.0		0.53	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Barium	28		0.53	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Beryllium	0.38		0.21	0.050	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Cadmium	0.10	J B	0.11	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Calcium	100000	B	53	9.0	mg/Kg	☼	08/24/17 10:30	08/25/17 14:46	5
Chromium	10		0.53	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Cobalt	5.0		0.27	0.070	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Copper	12		0.53	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Iron	9000		11	5.5	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Lead	4.4		0.27	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Magnesium	34000	B	5.3	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Manganese	190		0.53	0.077	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Nickel	12		0.53	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Potassium	990		27	9.4	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Sodium	440		53	7.9	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Vanadium	15		0.27	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	1
Zinc	21	B	1.1	0.47	mg/Kg	☼	08/24/17 10:30	08/24/17 20:36	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		08/22/17 13:00	08/23/17 10:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	19	6.2	ug/Kg	☼	08/23/17 10:00	08/23/17 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.20	0.20	SU			08/23/17 08:26	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-4(0-6)-081817

Lab Sample ID: 500-132888-20

Date Collected: 08/18/17 12:50

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.8	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Bromoform	<1.6		1.6	0.45	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Chlorobenzene	<1.6		1.6	0.57	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
cis-1,2-Dichloroethene	<1.6		1.6	0.43	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,1-Dichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,1-Dichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Ethylbenzene	<1.6		1.6	0.74	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/19/17 12:20	08/24/17 03:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/19/17 12:20	08/24/17 03:00	1
Dibromofluoromethane	100		75 - 126	08/19/17 12:20	08/24/17 03:00	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/19/17 12:20	08/24/17 03:00	1
Toluene-d8 (Surr)	100		75 - 124	08/19/17 12:20	08/24/17 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-4(0-6)-081817

Lab Sample ID: 500-132888-20

Date Collected: 08/18/17 12:50

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Carbazole	<180		180	92	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Chrysene	<36		36	10	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Fluorene	<36		36	5.2	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-4(0-6)-081817

Lab Sample ID: 500-132888-20

Date Collected: 08/18/17 12:50

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Isophorone	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Naphthalene	<36		36	5.7	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Phenol	<180		180	82	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Pyrene	<36		36	7.3	ug/Kg	☼	08/25/17 11:55	08/29/17 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		25 - 139				08/25/17 11:55	08/29/17 01:32	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 11:55	08/29/17 01:32	1
2-Fluorophenol	123		46 - 133				08/25/17 11:55	08/29/17 01:32	1
Nitrobenzene-d5	88		41 - 120				08/25/17 11:55	08/29/17 01:32	1
Phenol-d5	101		46 - 125				08/25/17 11:55	08/29/17 01:32	1
Terphenyl-d14	100		35 - 160				08/25/17 11:55	08/29/17 01:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Barium	0.28	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 03:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 03:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 03:02	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 03:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 03:02	1
Manganese	0.45		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 03:02	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 03:02	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 03:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Barium	0.39	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 02:21	1
Beryllium	0.0041		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 02:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 02:21	1
Chromium	0.10		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Cobalt	0.022	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Copper	0.13		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Iron	88		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 02:21	1
Lead	0.038		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 02:21	1
Manganese	0.51		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Nickel	0.089		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 02:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL-4(0-6)-081817

Lab Sample ID: 500-132888-20

Date Collected: 08/18/17 12:50

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 02:21	1
Zinc	0.18	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 02:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.91		0.91	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Arsenic	2.1		0.45	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Barium	27		0.45	0.052	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Beryllium	0.36		0.18	0.042	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Cadmium	0.083	J B	0.091	0.016	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Calcium	110000	B	45	7.7	mg/Kg	☼	08/24/17 10:30	08/25/17 14:50	5
Chromium	10		0.45	0.22	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Cobalt	4.5		0.23	0.059	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Copper	12		0.45	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Iron	9000		9.1	4.7	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Lead	4.1		0.23	0.10	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Magnesium	35000	B	4.5	2.3	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Manganese	170		0.45	0.066	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Nickel	11		0.45	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Potassium	950		23	8.0	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Selenium	<0.45		0.45	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Silver	<0.23		0.23	0.059	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Sodium	590		45	6.7	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Thallium	<0.45		0.45	0.23	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Vanadium	14		0.23	0.054	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1
Zinc	20	B	0.91	0.40	mg/Kg	☼	08/24/17 10:30	08/24/17 20:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		16	5.4	ug/Kg	☼	08/23/17 10:00	08/23/17 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/23/17 08:29	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132888-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.534.5200 Fax: 708.534.



500-132888 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 1 of _____
Temperature °C of Cooler: 3, 2, 2, 1, 2, 4

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Matrix		VOCs	SVOCs	Total Metals	TCLP/SLP Metals	PH		
Project Location/State		Lab Project #		Matrix								
Sampler		Lab PM		Matrix								
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments					
1		OB-3(0-4)-081817	8/18/17	0810	5	S	X	X	X	X	X	
2		CB-3(4-9.5)-081817		0815								
3		R14-5(0-5.1)-081817		0828								
4		R14-6(0-5.1)-081817		0845								
5		R14-6(0-5.1)-081817D		0845								
6		R14-7(0-5.1)-081817		0900								
7		R14-8(0-5.1)-081817		0913								
8		CC-3(0-3.6)-081817		0930								
9		VL16-1(0-6)-081817		0955								
10		VL16-2(0-6)-081817	8/18/17	1010	5	S	X	X	X	X	X	

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1455</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRA</u> Date: <u>8/19/17</u> Time: <u>0800</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) S. Babouskumar
 Contact: S. Babouskumar
 Company: Weston Solutions
 Address: 300 Plaza Circle, Ste 202
Mundelein, IL 60060
 Phone: 224-864-7200
 Fax: 224-864-7236
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-132888
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampler		Lab PM		# of Containers	Matrix		
Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Matrix	Matrix				
Neston Solutions		02056-014-060-0020								VOCs SI0CS Total Metals TCUP/SPCP Metals pH	
IDOT 060- US80 at Harmony Road											
Coral Township, IL											
M. Doherty-Skubic		D. Wright									
11		VL16-3(0-6)-081817	8/18/17	1025	5	S	X	X	X		
12		VL7-1(0-2)-081817		1100							
13		VL-2(0-6)-081817		1115							
14		VL-2(6-12)-081817		1120							
15		VL-3(0-6)-081817		1143							
16		VL-3(6-12)-081817		1155							
17		VL-3(6-12)-081817		1155							
18		VL-3(0-6)-081817		1215							
19		VL-3(6-12)-081817		1220							
20		VL-4(0-6)-081817	8/18/17	1250	5	S	X	X	X		

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

Requested Due Date _____

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

Relinquished By: <u>M. Doherty-Skubic</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1955</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>Shawn Scott</u> Company: <u>TA-CHT</u> Date: <u>8/19/17</u> Time: <u>0800</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-132889-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/30/2017 4:56:25 PM

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

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-4(6-12)-081817

Lab Sample ID: 500-132889-1

Date Collected: 08/18/17 12:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.0	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Benzene	<1.4		1.4	0.35	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Bromodichloromethane	<1.4		1.4	0.28	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Bromoform	<1.4		1.4	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Carbon disulfide	<3.5		3.5	0.72	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Carbon tetrachloride	<1.4		1.4	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Chlorobenzene	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Chloroethane	<3.5 *		3.5	1.0	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Chloroform	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
cis-1,2-Dichloroethene	<1.4		1.4	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
cis-1,3-Dichloropropene	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Dibromochloromethane	<1.4		1.4	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,1-Dichloroethane	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,1-Dichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,2-Dichloropropane	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,3-Dichloropropene, Total	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Ethylbenzene	<1.4		1.4	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Methyl Ethyl Ketone	<3.5		3.5	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Methyl tert-butyl ether	<1.4		1.4	0.41	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Styrene	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Tetrachloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Toluene	<1.4		1.4	0.35	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
trans-1,2-Dichloroethene	<1.4		1.4	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
trans-1,3-Dichloropropene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,1,1-Trichloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
1,1,2-Trichloroethane	<1.4		1.4	0.59	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Trichloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Vinyl chloride	<1.4		1.4	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1
Xylenes, Total	<2.8		2.8	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/19/17 12:20	08/23/17 17:10	1
Dibromofluoromethane	101		75 - 126	08/19/17 12:20	08/23/17 17:10	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/19/17 12:20	08/23/17 17:10	1
Toluene-d8 (Surr)	99		75 - 124	08/19/17 12:20	08/23/17 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-4(6-12)-081817

Lab Sample ID: 500-132889-1

Date Collected: 08/18/17 12:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Benzo[a]anthracene	<36		36	4.8	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Benzo[a]pyrene	<36		36	6.9	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Benzo[b]fluoranthene	<36		36	7.7	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Carbazole	<180		180	90	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Chrysene	<36		36	9.8	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Fluoranthene	<36		36	6.6	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Fluorene	<36		36	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-4(6-12)-081817

Lab Sample ID: 500-132889-1

Date Collected: 08/18/17 12:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Isophorone	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Naphthalene	<36		36	5.5	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Phenol	<180		180	80	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Pyrene	<36		36	7.1	ug/Kg	☼	08/24/17 07:17	08/25/17 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		25 - 139				08/24/17 07:17	08/25/17 20:44	1
2-Fluorobiphenyl	84		44 - 121				08/24/17 07:17	08/25/17 20:44	1
2-Fluorophenol	131		46 - 133				08/24/17 07:17	08/25/17 20:44	1
Nitrobenzene-d5	90		41 - 120				08/24/17 07:17	08/25/17 20:44	1
Phenol-d5	97		46 - 125				08/24/17 07:17	08/25/17 20:44	1
Terphenyl-d14	113		35 - 160				08/24/17 07:17	08/25/17 20:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Barium	0.27	J	0.50	0.050	mg/L		08/23/17 09:19	08/23/17 23:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/23/17 23:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/23/17 23:29	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/23/17 23:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/23/17 23:29	1
Manganese	0.80		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/23/17 23:29	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:29	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/23/17 23:29	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		08/23/17 09:31	08/24/17 02:45	1
Barium	0.35	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 02:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 02:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 02:45	1
Chromium	0.10		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:45	1
Cobalt	0.022	J	0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:45	1
Copper	0.10		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:45	1
Iron	77		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 02:45	1
Lead	0.032		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 02:45	1
Manganese	0.52		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:45	1
Nickel	0.080		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 02:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-4(6-12)-081817

Lab Sample ID: 500-132889-1

Date Collected: 08/18/17 12:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:45	1
Zinc	0.16	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 02:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	0.91	0.18	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Arsenic	2.2		0.46	0.16	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Barium	27		0.46	0.052	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Beryllium	0.32		0.18	0.043	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Cadmium	0.12	B	0.091	0.016	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Calcium	110000	B	91	15	mg/Kg	☼	08/23/17 11:29	08/24/17 13:16	10
Chromium	9.1		0.46	0.23	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Cobalt	5.7		0.23	0.060	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Copper	12		0.46	0.13	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Iron	8800		9.1	4.7	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Lead	4.3		0.23	0.11	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Magnesium	35000		4.6	2.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Manganese	180		0.46	0.066	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Nickel	12		0.46	0.13	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Potassium	1100		23	8.1	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Selenium	<0.46		0.46	0.27	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Silver	<0.23		0.23	0.059	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Sodium	710		46	6.8	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Vanadium	14		0.23	0.054	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1
Zinc	22		0.91	0.40	mg/Kg	☼	08/23/17 11:29	08/23/17 20:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10	J	17	5.6	ug/Kg	☼	08/23/17 10:00	08/23/17 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/23/17 08:31	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(0-6)-081817

Lab Sample ID: 500-132889-2

Date Collected: 08/18/17 13:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.8	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Chloroethane	<3.9 *		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/19/17 12:20	08/23/17 17:35	1
Dibromofluoromethane	104		75 - 126	08/19/17 12:20	08/23/17 17:35	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/19/17 12:20	08/23/17 17:35	1
Toluene-d8 (Surr)	96		75 - 124	08/19/17 12:20	08/23/17 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(0-6)-081817

Lab Sample ID: 500-132889-2

Date Collected: 08/18/17 13:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Anthracene	<35		35	6.0	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Benzo[b]fluoranthene	<35		35	7.7	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Benzo[k]fluoranthene	<35		35	11	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Carbazole	<180		180	89	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Chrysene	<35		35	9.7	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(0-6)-081817

Lab Sample ID: 500-132889-2

Date Collected: 08/18/17 13:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.2	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Isophorone	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Phenol	<180		180	79	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Pyrene	<35		35	7.1	ug/Kg	☼	08/24/17 07:17	08/25/17 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		25 - 139				08/24/17 07:17	08/25/17 21:14	1
2-Fluorobiphenyl	88		44 - 121				08/24/17 07:17	08/25/17 21:14	1
2-Fluorophenol	114		46 - 133				08/24/17 07:17	08/25/17 21:14	1
Nitrobenzene-d5	92		41 - 120				08/24/17 07:17	08/25/17 21:14	1
Phenol-d5	89		46 - 125				08/24/17 07:17	08/25/17 21:14	1
Terphenyl-d14	133		35 - 160				08/24/17 07:17	08/25/17 21:14	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Barium	0.23	J	0.50	0.050	mg/L		08/23/17 09:19	08/23/17 23:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/23/17 23:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/23/17 23:33	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/23/17 23:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/23/17 23:33	1
Manganese	0.52		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/23/17 23:33	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:33	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/23/17 23:33	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		08/23/17 09:31	08/24/17 02:49	1
Barium	0.28	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 02:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 02:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 02:49	1
Chromium	0.070		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:49	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:49	1
Copper	0.095		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:49	1
Iron	59		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 02:49	1
Lead	0.026		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 02:49	1
Manganese	0.35		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:49	1
Nickel	0.058		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 02:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(0-6)-081817

Lab Sample ID: 500-132889-2

Date Collected: 08/18/17 13:20

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:49	1
Zinc	0.14	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 02:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.92		0.92	0.18	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Arsenic	1.8		0.46	0.16	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Barium	20		0.46	0.052	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Beryllium	0.24		0.18	0.043	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Cadmium	0.086	J B	0.092	0.017	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Calcium	120000	B	92	16	mg/Kg	☼	08/23/17 11:29	08/24/17 13:20	10
Chromium	7.0		0.46	0.23	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Cobalt	3.3		0.23	0.060	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Copper	9.1		0.46	0.13	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Iron	6700		9.2	4.8	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Lead	2.6		0.23	0.11	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Magnesium	35000		4.6	2.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Manganese	140		0.46	0.067	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Nickel	8.2		0.46	0.13	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Potassium	880		23	8.1	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Selenium	<0.46		0.46	0.27	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Silver	<0.23		0.23	0.059	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Sodium	750		46	6.8	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Vanadium	11		0.23	0.054	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1
Zinc	15		0.92	0.40	mg/Kg	☼	08/23/17 11:29	08/23/17 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	6.1	ug/Kg	☼	08/23/17 10:00	08/23/17 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/23/17 08:34	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(6-12)-081817

Lab Sample ID: 500-132889-3

Date Collected: 08/18/17 13:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.3	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Chloroethane	<3.6 *		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Chloromethane	<3.6		3.6	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
cis-1,3-Dichloropropene	<1.4		1.4	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,1-Dichloroethane	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,1-Dichloroethene	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,3-Dichloropropene, Total	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Styrene	<1.4		1.4	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Toluene	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
trans-1,2-Dichloroethene	<1.4		1.4	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
trans-1,3-Dichloropropene	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,1,1-Trichloroethane	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
1,1,2-Trichloroethane	<1.4		1.4	0.62	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Trichloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Vinyl chloride	<1.4		1.4	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/19/17 12:20	08/23/17 18:00	1
Dibromofluoromethane	103		75 - 126	08/19/17 12:20	08/23/17 18:00	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/19/17 12:20	08/23/17 18:00	1
Toluene-d8 (Surr)	99		75 - 124	08/19/17 12:20	08/23/17 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(6-12)-081817

Lab Sample ID: 500-132889-3

Date Collected: 08/18/17 13:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Carbazole	<180		180	91	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Chrysene	<36		36	9.9	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(6-12)-081817

Lab Sample ID: 500-132889-3

Date Collected: 08/18/17 13:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Isophorone	<180		180	41	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Phenol	<180		180	81	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Pyrene	<36		36	7.2	ug/Kg	☼	08/24/17 07:17	08/25/17 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97		25 - 139				08/24/17 07:17	08/25/17 21:43	1
2-Fluorobiphenyl	104		44 - 121				08/24/17 07:17	08/25/17 21:43	1
2-Fluorophenol	126		46 - 133				08/24/17 07:17	08/25/17 21:43	1
Nitrobenzene-d5	94		41 - 120				08/24/17 07:17	08/25/17 21:43	1
Phenol-d5	109		46 - 125				08/24/17 07:17	08/25/17 21:43	1
Terphenyl-d14	94		35 - 160				08/24/17 07:17	08/25/17 21:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Barium	0.23	J	0.50	0.050	mg/L		08/23/17 09:19	08/23/17 23:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/23/17 23:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/23/17 23:37	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/23/17 23:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/23/17 23:37	1
Manganese	0.73		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/23/17 23:37	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:37	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/23/17 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Barium	0.29	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 02:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 02:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 02:52	1
Chromium	0.083		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Cobalt	0.016	J	0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Copper	0.083		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Iron	67		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 02:52	1
Lead	0.029		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 02:52	1
Manganese	0.43		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Nickel	0.059		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 02:52	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-5(6-12)-081817

Lab Sample ID: 500-132889-3

Date Collected: 08/18/17 13:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:52	1
Zinc	0.14	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 02:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Arsenic	1.9		0.52	0.18	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Barium	25		0.52	0.059	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Beryllium	0.31		0.21	0.049	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Cadmium	0.11	B	0.10	0.019	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Calcium	130000	B	100	18	mg/Kg	☼	08/23/17 11:29	08/24/17 13:24	10
Chromium	9.5		0.52	0.26	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Cobalt	4.1		0.26	0.068	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Copper	11		0.52	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Iron	8900		10	5.4	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Lead	3.8		0.26	0.12	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Magnesium	31000		5.2	2.6	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Manganese	160		0.52	0.075	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Nickel	11		0.52	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Potassium	1100		26	9.2	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Sodium	460		52	7.7	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Vanadium	15		0.26	0.061	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1
Zinc	19		1.0	0.46	mg/Kg	☼	08/23/17 11:29	08/23/17 20:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	17	5.8	ug/Kg	☼	08/23/17 10:00	08/23/17 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/23/17 08:36	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(0-6)-081817

Lab Sample ID: 500-132889-4

Date Collected: 08/18/17 13:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.5	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Carbon disulfide	<3.8		3.8	0.78	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Chloroethane	<3.8 *		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/19/17 12:20	08/23/17 18:26	1
Dibromofluoromethane	101		75 - 126	08/19/17 12:20	08/23/17 18:26	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	08/19/17 12:20	08/23/17 18:26	1
Toluene-d8 (Surr)	98		75 - 124	08/19/17 12:20	08/23/17 18:26	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	☼	08/24/17 07:17	08/25/17 22:13	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(0-6)-081817

Lab Sample ID: 500-132889-4

Date Collected: 08/18/17 13:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.2

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	☼	08/24/17 07:17	08/25/17 22:13	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Benzo[g,h,i]perylene	30 J		36	12	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Carbazole	<180		180	90	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Chrysene	<36		36	9.9	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(0-6)-081817

Lab Sample ID: 500-132889-4

Date Collected: 08/18/17 13:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Isophorone	<180		180	41	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Phenol	<180		180	80	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Pyrene	<36		36	7.2	ug/Kg	☼	08/24/17 07:17	08/25/17 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		25 - 139				08/24/17 07:17	08/25/17 22:13	1
2-Fluorobiphenyl	87		44 - 121				08/24/17 07:17	08/25/17 22:13	1
2-Fluorophenol	139	X	46 - 133				08/24/17 07:17	08/25/17 22:13	1
Nitrobenzene-d5	96		41 - 120				08/24/17 07:17	08/25/17 22:13	1
Phenol-d5	103		46 - 125				08/24/17 07:17	08/25/17 22:13	1
Terphenyl-d14	131		35 - 160				08/24/17 07:17	08/25/17 22:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Barium	0.26	J	0.50	0.050	mg/L		08/23/17 09:19	08/23/17 23:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/23/17 23:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/23/17 23:41	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/23/17 23:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/23/17 23:41	1
Manganese	0.56		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/23/17 23:41	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:41	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/23/17 23:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Barium	0.26	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 02:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 02:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 02:56	1
Chromium	0.069		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Copper	0.078		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Iron	53		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 02:56	1
Lead	0.025		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 02:56	1
Manganese	0.33		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Nickel	0.052		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 02:56	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(0-6)-081817

Lab Sample ID: 500-132889-4

Date Collected: 08/18/17 13:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 02:56	1
Zinc	0.12	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 02:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Arsenic	2.0		0.52	0.18	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Barium	29		0.52	0.060	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Beryllium	0.35		0.21	0.049	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Cadmium	0.091	J B	0.10	0.019	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Calcium	120000	B	100	18	mg/Kg	☼	08/23/17 11:29	08/24/17 13:27	10
Chromium	9.8		0.52	0.26	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Cobalt	5.0		0.26	0.069	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Copper	12		0.52	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Iron	8800		10	5.4	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Lead	4.8		0.26	0.12	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Magnesium	33000		5.2	2.6	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Manganese	210		0.52	0.076	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Nickel	13		0.52	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Potassium	1300		26	9.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Sodium	670		52	7.7	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Vanadium	15		0.26	0.062	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1
Zinc	20		1.0	0.46	mg/Kg	☼	08/23/17 11:29	08/23/17 20:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		17	5.7	ug/Kg	☼	08/23/17 10:00	08/23/17 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/23/17 08:39	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(6-12)-081817

Lab Sample ID: 500-132889-5

Date Collected: 08/18/17 13:40

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.3	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Chloroethane	<3.6 *		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Chloromethane	<3.6		3.6	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
cis-1,3-Dichloropropene	<1.4		1.4	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,1-Dichloroethane	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,1-Dichloroethene	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,3-Dichloropropene, Total	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Styrene	<1.4		1.4	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Toluene	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
trans-1,2-Dichloroethene	<1.4		1.4	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
trans-1,3-Dichloropropene	<1.4		1.4	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,1,1-Trichloroethane	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
1,1,2-Trichloroethane	<1.4		1.4	0.62	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Trichloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Vinyl chloride	<1.4		1.4	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/19/17 12:20	08/23/17 18:51	1
Dibromofluoromethane	103		75 - 126	08/19/17 12:20	08/23/17 18:51	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/19/17 12:20	08/23/17 18:51	1
Toluene-d8 (Surr)	99		75 - 124	08/19/17 12:20	08/23/17 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(6-12)-081817

Lab Sample ID: 500-132889-5

Date Collected: 08/18/17 13:40

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Anthracene	<35		35	6.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Benzo[b]fluoranthene	<35		35	7.7	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Benzo[g,h,i]perylene	<35		35	12	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Benzo[k]fluoranthene	<35		35	11	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Carbazole	<180		180	89	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Chrysene	<35		35	9.7	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(6-12)-081817

Lab Sample ID: 500-132889-5

Date Collected: 08/18/17 13:40

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.3	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Isophorone	<180		180	40	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Phenol	<180		180	79	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Pyrene	<35		35	7.1	ug/Kg	☼	08/24/17 07:17	08/25/17 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		25 - 139				08/24/17 07:17	08/25/17 22:42	1
2-Fluorobiphenyl	88		44 - 121				08/24/17 07:17	08/25/17 22:42	1
2-Fluorophenol	144	X	46 - 133				08/24/17 07:17	08/25/17 22:42	1
Nitrobenzene-d5	92		41 - 120				08/24/17 07:17	08/25/17 22:42	1
Phenol-d5	106		46 - 125				08/24/17 07:17	08/25/17 22:42	1
Terphenyl-d14	91		35 - 160				08/24/17 07:17	08/25/17 22:42	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Barium	0.27	J	0.50	0.050	mg/L		08/23/17 09:19	08/23/17 23:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/23/17 23:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/23/17 23:45	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Copper	0.021	J	0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/23/17 23:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/23/17 23:45	1
Manganese	0.98		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Nickel	0.013	J	0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/23/17 23:45	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/23/17 23:45	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/23/17 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Barium	0.15	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 03:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 03:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 03:07	1
Chromium	0.030		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Copper	0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Iron	18		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 03:07	1
Lead	0.011		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 03:07	1
Manganese	0.18		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Nickel	0.023	J	0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 03:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: VL-6(6-12)-081817

Lab Sample ID: 500-132889-5

Date Collected: 08/18/17 13:40

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:07	1
Zinc	0.047	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 03:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Arsenic	1.5		0.50	0.17	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Barium	23		0.50	0.057	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Beryllium	0.29		0.20	0.047	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Cadmium	0.11	B	0.10	0.018	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Calcium	17000	B	100	17	mg/Kg	☼	08/23/17 11:29	08/24/17 13:31	10
Chromium	9.4		0.50	0.25	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Cobalt	4.8		0.25	0.066	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Copper	11		0.50	0.14	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Iron	7300		10	5.2	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Lead	4.2		0.25	0.12	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Magnesium	44000		5.0	2.5	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Manganese	160		0.50	0.073	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Nickel	10		0.50	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Potassium	1200		25	8.9	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Selenium	<0.50		0.50	0.30	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Silver	<0.25		0.25	0.065	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Sodium	290		50	7.4	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Vanadium	12		0.25	0.059	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1
Zinc	18		1.0	0.44	mg/Kg	☼	08/23/17 11:29	08/23/17 20:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16		16	5.3	ug/Kg	☼	08/23/17 10:00	08/23/17 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.20	0.20	SU			08/23/17 08:41	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132889-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.1



500-132889 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132889
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: 3.2/2.6/2.4

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		Lab Project #		Parameter								
Project Location/State		Lab Project #										
Sampler		Lab PM										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SLP Metals	pH	Comments
1		VL-4(6-12)-081817	8/18/17	1255	5	S	X	X	X	X	X	
2		VL-5(0-6)-081817		1320								
3		VL-5(6-12)-081817		1325								
4		VL-6(0-6)-081817		1335								
5		VL-6(6-12)-081817		1340								
6		Rb-1(0-4)-081817		1400								
7		Rb-1(4-9.5)-081817		1405								
8		Rb-2(0-4)-081817		1425								
9		Rb-2(4-9.5)-081817	8/19/17	1435	5	S	X	X	X	X	X	
★ ★ LAST ITEM ★ ★												MOS

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

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

Relinquished By: <u>Greg DeLuca</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>L. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1455</u>	Lab Courier: <u>TR</u>
Relinquished By: <u>L. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1607</u>	Received By: <u>Shirley</u> Company: <u>DA-CRT</u> Date: <u>8/19/17</u> Time: <u>0800</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

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-132931-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/30/2017 3:35:06 PM

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

LINKS

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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(0-6)-082117

Lab Sample ID: 500-132931-6

Date Collected: 08/21/17 08:58

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 86.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19		15	6.5	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Carbon disulfide	<3.8		3.8	0.78	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	08/22/17 08:15	08/24/17 15:12	1
Dibromofluoromethane	100		75 - 126	08/22/17 08:15	08/24/17 15:12	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/22/17 08:15	08/24/17 15:12	1
Toluene-d8 (Surr)	95		75 - 124	08/22/17 08:15	08/24/17 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(0-6)-082117

Lab Sample ID: 500-132931-6

Date Collected: 08/21/17 08:58

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2-Methylnaphthalene	11 J		77	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Acenaphthylene	6.3 J		38	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Benzo[a]anthracene	23 J		38	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Benzo[a]pyrene	28 J		38	7.4	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Benzo[b]fluoranthene	40		38	8.2	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Benzo[g,h,i]perylene	17 J		38	12	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Benzo[k]fluoranthene	14 J		38	11	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Carbazole	<190		190	95	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Chrysene	31 J		38	10	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Fluoranthene	38		38	7.1	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(0-6)-082117

Lab Sample ID: 500-132931-6

Date Collected: 08/21/17 08:58

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	15	J	38	9.9	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Isophorone	<190		190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Naphthalene	6.9	J	38	5.9	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Phenanthrene	31	J	38	5.3	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Phenol	<190		190	85	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Pyrene	40		38	7.6	ug/Kg	☼	08/28/17 07:17	08/29/17 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		25 - 139				08/28/17 07:17	08/29/17 17:36	1
2-Fluorobiphenyl	78		44 - 121				08/28/17 07:17	08/29/17 17:36	1
2-Fluorophenol	98		46 - 133				08/28/17 07:17	08/29/17 17:36	1
Nitrobenzene-d5	78		41 - 120				08/28/17 07:17	08/29/17 17:36	1
Phenol-d5	84		46 - 125				08/28/17 07:17	08/29/17 17:36	1
Terphenyl-d14	90		35 - 160				08/28/17 07:17	08/29/17 17:36	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Barium	0.61		0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:27	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Copper	0.036	J B	0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:27	1
Manganese	3.6		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Nickel	0.013	J	0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:27	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:27	1
Zinc	0.057	J B	0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Barium	0.75		0.50	0.050	mg/L		08/25/17 11:07	08/26/17 17:17	1
Beryllium	0.0065		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 17:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 17:17	1
Chromium	0.18		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Cobalt	0.048		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Copper	0.20		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Iron	140		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 17:17	1
Lead	0.29		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 17:17	1
Manganese	1.5		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Nickel	0.15		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 17:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(0-6)-082117

Lab Sample ID: 500-132931-6

Date Collected: 08/21/17 08:58

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:17	1
Zinc	0.53		0.50	0.020	mg/L		08/25/17 11:07	08/26/17 17:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Arsenic	3.0		0.55	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Barium	56		0.55	0.062	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Beryllium	0.61		0.22	0.051	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Cadmium	0.088	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Calcium	19000	B	11	1.9	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Chromium	17		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Cobalt	7.3		0.27	0.072	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Copper	17		0.55	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Iron	14000	B	11	5.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Lead	21		0.27	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Magnesium	11000		5.5	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Manganese	140		0.55	0.079	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Nickel	20		0.55	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Potassium	1200		27	9.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 13:45	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Sodium	2600	B	55	8.1	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Vanadium	23		0.27	0.065	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1
Zinc	51		1.1	0.48	mg/Kg	☼	08/25/17 12:11	08/26/17 15:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		19	6.4	ug/Kg	☼	08/24/17 08:25	08/24/17 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.20	0.20	SU			08/23/17 09:13	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(6-12)-082117

Lab Sample ID: 500-132931-7

Date Collected: 08/21/17 09:03

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.1	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Bromodichloromethane	<1.4		1.4	0.28	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Bromoform	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Carbon disulfide	<3.5		3.5	0.73	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Carbon tetrachloride	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Chlorobenzene	<1.4		1.4	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Chloroethane	<3.5		3.5	1.0	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Chloroform	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
cis-1,2-Dichloroethene	<1.4		1.4	0.39	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
cis-1,3-Dichloropropene	<1.4		1.4	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Dibromochloromethane	<1.4		1.4	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,1-Dichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,1-Dichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,2-Dichloropropane	<1.4		1.4	0.36	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,3-Dichloropropene, Total	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Ethylbenzene	<1.4		1.4	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Methyl Ethyl Ketone	<3.5		3.5	1.6	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Methyl tert-butyl ether	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Styrene	<1.4		1.4	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Tetrachloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Toluene	<1.4		1.4	0.35	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
trans-1,2-Dichloroethene	<1.4		1.4	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
trans-1,3-Dichloropropene	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,1,1-Trichloroethane	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
1,1,2-Trichloroethane	<1.4		1.4	0.60	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Trichloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Vinyl chloride	<1.4		1.4	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1
Xylenes, Total	<2.8		2.8	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/22/17 08:15	08/24/17 15:37	1
Dibromofluoromethane	99		75 - 126	08/22/17 08:15	08/24/17 15:37	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/22/17 08:15	08/24/17 15:37	1
Toluene-d8 (Surr)	98		75 - 124	08/22/17 08:15	08/24/17 15:37	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	☼	08/28/17 07:17	08/29/17 13:40	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,2'-oxybis[1-chloropropane]	<180	*	180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(6-12)-082117

Lab Sample ID: 500-132931-7

Date Collected: 08/21/17 09:03

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Carbazole	<180		180	91	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Chrysene	<36		36	9.9	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 13:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(6-12)-082117

Lab Sample ID: 500-132931-7

Date Collected: 08/21/17 09:03

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Isophorone	<180		180	41	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Naphthalene	<36		36	5.6	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Nitrobenzene	<36		36	9.1	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Pentachlorophenol	<730		730	580	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Phenanthrene	<36		36	5.1	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Phenol	<180		180	81	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Pyrene	<36		36	7.2	ug/Kg	*	08/28/17 07:17	08/29/17 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		25 - 139				08/28/17 07:17	08/29/17 13:40	1
2-Fluorobiphenyl	65		44 - 121				08/28/17 07:17	08/29/17 13:40	1
2-Fluorophenol	94		46 - 133				08/28/17 07:17	08/29/17 13:40	1
Nitrobenzene-d5	68		41 - 120				08/28/17 07:17	08/29/17 13:40	1
Phenol-d5	78		46 - 125				08/28/17 07:17	08/29/17 13:40	1
Terphenyl-d14	90		35 - 160				08/28/17 07:17	08/29/17 13:40	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Barium	0.32	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:31	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Copper	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:31	1
Manganese	1.1		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:31	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:31	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Barium	0.25	J	0.50	0.050	mg/L		08/25/17 11:07	08/26/17 17:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 17:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 17:21	1
Chromium	0.043		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Copper	0.051		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Iron	30		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 17:21	1
Lead	0.015		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 17:21	1
Manganese	0.27		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Nickel	0.031		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 17:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-7(6-12)-082117

Lab Sample ID: 500-132931-7

Date Collected: 08/21/17 09:03

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:21	1
Zinc	0.11	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 17:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.0	0.20	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Arsenic	2.1		0.52	0.18	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Barium	30		0.52	0.059	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Beryllium	0.38		0.21	0.049	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Cadmium	0.064	J B	0.10	0.019	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Calcium	97000	B	100	18	mg/Kg	☼	08/25/17 12:11	08/28/17 13:42	10
Chromium	10		0.52	0.26	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Cobalt	5.7		0.26	0.068	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Copper	11		0.52	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Iron	9300	B	10	5.4	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Lead	5.2		0.26	0.12	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Magnesium	36000		5.2	2.6	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Manganese	190		0.52	0.075	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Nickel	14		0.52	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Potassium	1300		26	9.2	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/25/17 12:11	08/28/17 13:49	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Sodium	350	B	52	7.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Vanadium	16		0.26	0.061	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	1
Zinc	24		1.0	0.46	mg/Kg	☼	08/25/17 12:11	08/26/17 15:23	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		08/24/17 13:15	08/25/17 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	5.8	ug/Kg	☼	08/24/17 08:25	08/24/17 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/23/17 09:15	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(0-6)-082117

Lab Sample ID: 500-132931-17

Date Collected: 08/21/17 11:00

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	40		18	7.9	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,3-Dichloropropane, Total	<1.8		1.8	0.64	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Methyl Ethyl Ketone	2.3 J		4.5	2.0	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	08/22/17 08:15	08/24/17 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/22/17 08:15	08/24/17 18:58	1
Dibromofluoromethane	100		75 - 126	08/22/17 08:15	08/24/17 18:58	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/22/17 08:15	08/24/17 18:58	1
Toluene-d8 (Surr)	96		75 - 124	08/22/17 08:15	08/24/17 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(0-6)-082117

Lab Sample ID: 500-132931-17

Date Collected: 08/21/17 11:00

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Benzo[a]anthracene	11 J		38	5.2	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Benzo[a]pyrene	10 J		38	7.5	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Benzo[b]fluoranthene	15 J*		38	8.3	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Carbazole	<190		190	96	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Chrysene	15 J		38	11	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Fluoranthene	19 J		38	7.1	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(0-6)-082117

Lab Sample ID: 500-132931-17

Date Collected: 08/21/17 11:00

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Phenanthrene	12	J	38	5.4	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Phenol	<190		190	86	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Pyrene	19	J	38	7.7	ug/Kg	☼	08/25/17 07:13	08/25/17 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		25 - 139				08/25/17 07:13	08/25/17 23:13	1
2-Fluorobiphenyl	92		44 - 121				08/25/17 07:13	08/25/17 23:13	1
2-Fluorophenol	93		46 - 133				08/25/17 07:13	08/25/17 23:13	1
Nitrobenzene-d5	88		41 - 120				08/25/17 07:13	08/25/17 23:13	1
Phenol-d5	86		46 - 125				08/25/17 07:13	08/25/17 23:13	1
Terphenyl-d14	109		35 - 160				08/25/17 07:13	08/25/17 23:13	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		08/24/17 09:57	08/24/17 23:18	1
Barium	0.39	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 23:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 23:18	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 23:18	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:18	1
Cobalt	0.015	J	0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:18	1
Copper	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 23:18	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 23:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 23:18	1
Manganese	3.6		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:18	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:18	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 23:18	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:18	1
Zinc	0.036	J B	0.50	0.020	mg/L		08/24/17 09:57	08/24/17 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Barium	0.68		0.50	0.050	mg/L		08/25/17 11:07	08/26/17 18:05	1
Beryllium	0.0058		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 18:05	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 18:05	1
Chromium	0.19		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Cobalt	0.052		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Copper	0.16		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Iron	150		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 18:05	1
Lead	0.27		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 18:05	1
Manganese	1.7		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Nickel	0.13		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 18:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(0-6)-082117

Lab Sample ID: 500-132931-17

Date Collected: 08/21/17 11:00

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:05	1
Zinc	0.40	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 18:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Arsenic	2.0		0.55	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Barium	58		0.55	0.063	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Beryllium	0.44		0.22	0.051	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Cadmium	0.12	B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Calcium	8500	B	11	1.9	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Chromium	16		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Cobalt	5.5		0.27	0.072	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Copper	14		0.55	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Iron	12000	B	11	5.7	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Lead	19		0.27	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Magnesium	5500		5.5	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Manganese	130		0.55	0.080	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Nickel	13		0.55	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Potassium	570		27	9.7	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 14:38	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Sodium	2000	B	55	8.1	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Vanadium	21		0.27	0.065	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1
Zinc	40		1.1	0.48	mg/Kg	☼	08/25/17 12:11	08/26/17 16:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		20	6.6	ug/Kg	☼	08/24/17 08:25	08/24/17 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/23/17 09:39	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(6-12)-082117

Lab Sample ID: 500-132931-18

Date Collected: 08/21/17 11:05

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.1	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Bromoform	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Carbon disulfide	<3.5		3.5	0.73	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Carbon tetrachloride	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Chlorobenzene	<1.4		1.4	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Chloroethane	<3.5		3.5	1.0	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Chloroform	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
cis-1,2-Dichloroethene	<1.4		1.4	0.39	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
cis-1,3-Dichloropropene	<1.4		1.4	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Dibromochloromethane	<1.4		1.4	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,1-Dichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,1-Dichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,2-Dichloropropane	<1.4		1.4	0.36	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,3-Dichloropropane, Total	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Ethylbenzene	<1.4		1.4	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Methyl Ethyl Ketone	<3.5		3.5	1.6	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Methyl tert-butyl ether	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Styrene	<1.4		1.4	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Tetrachloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Toluene	<1.4		1.4	0.35	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
trans-1,2-Dichloroethene	<1.4		1.4	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
trans-1,3-Dichloropropene	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,1,1-Trichloroethane	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
1,1,2-Trichloroethane	<1.4		1.4	0.60	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Trichloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Vinyl chloride	<1.4		1.4	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1
Xylenes, Total	<2.8		2.8	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/22/17 08:15	08/24/17 19:23	1
Dibromofluoromethane	101		75 - 126	08/22/17 08:15	08/24/17 19:23	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	08/22/17 08:15	08/24/17 19:23	1
Toluene-d8 (Surr)	96		75 - 124	08/22/17 08:15	08/24/17 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(6-12)-082117

Lab Sample ID: 500-132931-18

Date Collected: 08/21/17 11:05

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Benzo[b]fluoranthene	<37 *		37	8.0	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(6-12)-082117

Lab Sample ID: 500-132931-18

Date Collected: 08/21/17 11:05

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Phenol	<190		190	82	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/25/17 07:13	08/25/17 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		25 - 139				08/25/17 07:13	08/25/17 23:39	1
2-Fluorobiphenyl	80		44 - 121				08/25/17 07:13	08/25/17 23:39	1
2-Fluorophenol	82		46 - 133				08/25/17 07:13	08/25/17 23:39	1
Nitrobenzene-d5	72		41 - 120				08/25/17 07:13	08/25/17 23:39	1
Phenol-d5	74		46 - 125				08/25/17 07:13	08/25/17 23:39	1
Terphenyl-d14	97		35 - 160				08/25/17 07:13	08/25/17 23:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Barium	0.38	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 23:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 23:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 23:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Copper	0.019	J B	0.050	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 23:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 23:22	1
Manganese	1.5		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 23:22	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:22	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/17 09:57	08/24/17 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Barium	0.15	J	0.50	0.050	mg/L		08/25/17 11:07	08/26/17 18:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 18:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 18:09	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Copper	0.030	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Iron	2.2		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 18:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 18:09	1
Manganese	0.066		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 18:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-12(6-12)-082117

Lab Sample ID: 500-132931-18

Date Collected: 08/21/17 11:05

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:09	1
Zinc	0.10	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 18:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.0	0.20	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Arsenic	1.4		0.52	0.18	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Barium	25		0.52	0.060	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Beryllium	0.33		0.21	0.049	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Cadmium	0.068	J B	0.10	0.019	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Calcium	93000	B	100	18	mg/Kg	☼	08/25/17 12:11	08/28/17 14:29	10
Chromium	10		0.52	0.26	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Cobalt	4.4		0.26	0.068	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Copper	10		0.52	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Iron	7500	B	10	5.4	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Lead	4.2		0.26	0.12	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Magnesium	37000		5.2	2.6	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Manganese	180		0.52	0.076	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Nickel	12		0.52	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Potassium	1100		26	9.3	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/25/17 12:11	08/28/17 14:42	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Sodium	410	B	52	7.7	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Vanadium	15		0.26	0.062	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1
Zinc	21		1.0	0.46	mg/Kg	☼	08/25/17 12:11	08/26/17 16:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	17	5.6	ug/Kg	☼	08/24/17 08:25	08/24/17 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/23/17 09:42	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(0-6)-082117

Lab Sample ID: 500-132931-19

Date Collected: 08/21/17 11:23

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.9	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,3-Dichloropropane, Total	<1.8		1.8	0.63	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	08/22/17 08:15	08/24/17 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 131	08/22/17 08:15	08/24/17 19:49	1
Dibromofluoromethane	101		75 - 126	08/22/17 08:15	08/24/17 19:49	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/22/17 08:15	08/24/17 19:49	1
Toluene-d8 (Surr)	97		75 - 124	08/22/17 08:15	08/24/17 19:49	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	☼	08/25/17 07:13	08/26/17 00:04	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(0-6)-082117

Lab Sample ID: 500-132931-19

Date Collected: 08/21/17 11:23

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Acenaphthylene	13	J	38	5.1	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Anthracene	14	J	38	6.5	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Benzo[a]anthracene	49		38	5.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Benzo[a]pyrene	51		38	7.5	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Benzo[b]fluoranthene	77	*	38	8.4	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Benzo[g,h,i]perylene	38		38	12	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Benzo[k]fluoranthene	27	J	38	11	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Carbazole	<190		190	97	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Chrysene	74		38	11	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Dibenz(a,h)anthracene	10	J	38	7.5	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Fluoranthene	110		38	7.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(0-6)-082117

Lab Sample ID: 500-132931-19

Date Collected: 08/21/17 11:23

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	31	J	38	10	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Naphthalene	<38		38	6.0	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Phenanthrene	57		38	5.4	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Phenol	<190		190	86	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Pyrene	91		38	7.7	ug/Kg	☼	08/25/17 07:13	08/26/17 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	114		25 - 139				08/25/17 07:13	08/26/17 00:04	1
2-Fluorobiphenyl	101		44 - 121				08/25/17 07:13	08/26/17 00:04	1
2-Fluorophenol	91		46 - 133				08/25/17 07:13	08/26/17 00:04	1
Nitrobenzene-d5	82		41 - 120				08/25/17 07:13	08/26/17 00:04	1
Phenol-d5	80		46 - 125				08/25/17 07:13	08/26/17 00:04	1
Terphenyl-d14	92		35 - 160				08/25/17 07:13	08/26/17 00:04	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		08/24/17 09:57	08/24/17 23:33	1
Barium	0.38	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 23:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 23:33	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 23:33	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:33	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:33	1
Copper	0.019	J B	0.050	0.010	mg/L		08/24/17 09:57	08/24/17 23:33	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 23:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 23:33	1
Manganese	0.12		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:33	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:33	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 23:33	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:33	1
Zinc	0.065	J B	0.50	0.020	mg/L		08/24/17 09:57	08/24/17 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Barium	0.62		0.50	0.050	mg/L		08/25/17 11:07	08/26/17 18:20	1
Beryllium	0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 18:20	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 18:20	1
Chromium	0.14		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Cobalt	0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Copper	0.12		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Iron	97		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 18:20	1
Lead	0.36		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 18:20	1
Manganese	1.1		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Nickel	0.085		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 18:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(0-6)-082117

Lab Sample ID: 500-132931-19

Date Collected: 08/21/17 11:23

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:20	1
Zinc	0.66		0.50	0.020	mg/L		08/25/17 11:07	08/26/17 18:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.22	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Arsenic	2.7		0.57	0.20	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Barium	49		0.57	0.065	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Beryllium	0.39		0.23	0.053	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Cadmium	0.29	B	0.11	0.021	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Calcium	31000	B	11	1.9	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Chromium	11		0.57	0.28	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Cobalt	4.6		0.29	0.075	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Copper	14		0.57	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Iron	9200	B	11	5.9	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Lead	58		0.29	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Magnesium	20000		5.7	2.8	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Manganese	240		0.57	0.083	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Nickel	10		0.57	0.17	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Potassium	700		29	10	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Selenium	0.36	J B	0.57	0.34	mg/Kg	☼	08/25/17 12:11	08/28/17 14:46	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Sodium	1300	B	57	8.5	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Vanadium	18		0.29	0.067	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1
Zinc	64		1.1	0.50	mg/Kg	☼	08/25/17 12:11	08/26/17 16:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		18	6.0	ug/Kg	☼	08/24/17 08:25	08/24/17 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 09:44	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(6-12)-082117

Lab Sample ID: 500-132931-20

Date Collected: 08/21/17 11:27

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.4	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Benzene	<1.5		1.5	0.37	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Carbon disulfide	<3.7		3.7	0.76	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Carbon tetrachloride	<1.5		1.5	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,2-Dichloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,1-Dichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,3-Dichloropropene, Total	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Ethylbenzene	<1.5		1.5	0.70	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
2-Hexanone	<3.7		3.7	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Methylene Chloride	<3.7		3.7	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Styrene	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
trans-1,2-Dichloroethene	<1.5		1.5	0.65	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
trans-1,3-Dichloropropene	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
1,1,2-Trichloroethane	<1.5		1.5	0.63	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Trichloroethene	<1.5		1.5	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Vinyl chloride	<1.5		1.5	0.65	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/22/17 08:15	08/24/17 20:13	1
Dibromofluoromethane	102		75 - 126	08/22/17 08:15	08/24/17 20:13	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/22/17 08:15	08/24/17 20:13	1
Toluene-d8 (Surr)	97		75 - 124	08/22/17 08:15	08/24/17 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(6-12)-082117

Lab Sample ID: 500-132931-20

Date Collected: 08/21/17 11:27

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Benzo[b]fluoranthene	<37 *		37	8.0	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(6-12)-082117

Lab Sample ID: 500-132931-20

Date Collected: 08/21/17 11:27

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Phenol	<190		190	82	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/25/17 07:13	08/26/17 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	113		25 - 139				08/25/17 07:13	08/26/17 00:29	1
2-Fluorobiphenyl	90		44 - 121				08/25/17 07:13	08/26/17 00:29	1
2-Fluorophenol	105		46 - 133				08/25/17 07:13	08/26/17 00:29	1
Nitrobenzene-d5	81		41 - 120				08/25/17 07:13	08/26/17 00:29	1
Phenol-d5	97		46 - 125				08/25/17 07:13	08/26/17 00:29	1
Terphenyl-d14	92		35 - 160				08/25/17 07:13	08/26/17 00:29	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Barium	0.41	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 23:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 23:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 23:37	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Copper	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 23:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 23:37	1
Manganese	1.8		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 23:37	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 23:37	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/17 09:57	08/24/17 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Barium	<0.50		0.50	0.050	mg/L		08/25/17 11:07	08/26/17 18:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 18:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 18:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Copper	0.012	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Iron	0.55		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 18:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 18:24	1
Manganese	0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 18:24	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: VL-13(6-12)-082117

Lab Sample ID: 500-132931-20

Date Collected: 08/21/17 11:27

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 18:24	1
Zinc	<0.50		0.50	0.020	mg/L		08/25/17 11:07	08/26/17 18:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J	1.1	0.22	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Arsenic	1.3		0.56	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Barium	27		0.56	0.063	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Beryllium	0.36		0.22	0.052	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Cadmium	0.070	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Calcium	94000	B	110	19	mg/Kg	☼	08/25/17 12:11	08/28/17 14:33	10
Chromium	9.7		0.56	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Cobalt	4.5		0.28	0.073	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Copper	9.4		0.56	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Iron	8200	B	11	5.8	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Lead	4.0		0.28	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Magnesium	38000		5.6	2.8	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Manganese	190		0.56	0.081	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Nickel	11		0.56	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Potassium	1200		28	9.8	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/25/17 12:11	08/28/17 14:50	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Sodium	250	B	56	8.2	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Vanadium	14		0.28	0.066	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	1
Zinc	19		1.1	0.49	mg/Kg	☼	08/25/17 12:11	08/26/17 16:23	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		08/24/17 13:15	08/25/17 11:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	5.8	ug/Kg	☼	08/24/17 08:25	08/24/17 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.20	0.20	SU			08/23/17 09:47	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132931-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	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: Mundeville, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132931
Chain of Custody Number:
Page 1 of
Temperature °C of Cooler: 31/21/4/21/9

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Parameter		Parameter						
Project Location/State		Lab Project #		Parameter		Parameter						
Sampler		Lab PM		Parameter		Parameter						
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SICs	Total Metals	TOC/P/SRP Metals	pH	Comments
1		R6-3(0-4)-082117	8/21/17	0815	5	S	X	X	X	X	X	
2		R6-3(0-4)-082117D		0815								
3		R6-3(4-9.5)-082117		0820								
4		R6-4(0-4)-082117		0835								
5		R6-4(4.95)-082117		0840								
6		VL-7(0-6)-082117		0858								
7		VL-7(6-12)-082117		0903								
8		VL-8(0-6)-082117		0915								
9		VL-8(6-12)-082117		0920								
10		VL-8(6-12)-082117	8/21/17	0920	5	S	X	X	X	X	X	

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days X 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By: <u>M. Doherty</u> Company: <u>Weston</u> Date: <u>8/21/2017</u> Time: <u>1443</u>	Received By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1443</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1657</u>	Received By: <u>J. Smith</u> Company: <u>TA-CHE</u> Date: <u>8/22/17</u> Time: <u>0720</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional) S. Babesukumar
 Contact: S. Babesukumar
 Company: Weston Solutions Inc
 Address: 300 Plaza Circle, Ste 202
Mundeville, IL 60060
 Phone: 224-864-7200
224-864-7236
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-132931
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: 3, 1, 2, 4, 2, 9

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions Inc		02056.014.060.0030									
Project Name		Lab Project #		# of Containers		Matrix		Matrix		Comments	
IDOT 060 - US20 at Harmony Road											
Project Location/State		Lab Project #		Date		Time		Matrix		Comments	
Coral Township, IL											
Sampler		Lab PM		Date		Time		Matrix		Comments	
M. O'henny Skubic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	Total P&S Metals	pH
11		VL-9(4-6)-082117	8/21/17	1000	5	S	X	X	X	X	X
12		VL-9(6-8)-082117		1005							
13		VL-10(0-6)-082117		1020							
14		VL-10(6-12)-082117		1025							
15		VL-11(0-6)-082117		1040							
16		VL-11(6-12)-082117		1045							
17		VL-12(0-6)-082117		1100							
18		VL-12(6-12)-082117		1105							
19		VL-13(0-6)-082117		1123							
20		VL-13(6-12)-082117	8/21/17	1127	5	S	X	X	X	X	X

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

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other
 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>8/21/2017</u> Time: <u>1443</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1443</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRT</u> Date: <u>8/22/17</u> Time: <u>0720</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key

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

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-132932-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/30/2017 5:06:27 PM

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

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www.testamericainc.com

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(0-6)-082117

Lab Sample ID: 500-132932-4

Date Collected: 08/21/17 12:10

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Carbon disulfide	<4.1		4.1	0.84	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	08/22/17 08:15	08/25/17 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/22/17 08:15	08/25/17 14:02	1
Dibromofluoromethane	103		75 - 126	08/22/17 08:15	08/25/17 14:02	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/22/17 08:15	08/25/17 14:02	1
Toluene-d8 (Surr)	97		75 - 124	08/22/17 08:15	08/25/17 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(0-6)-082117

Lab Sample ID: 500-132932-4

Date Collected: 08/21/17 12:10

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Acenaphthylene	10 J		38	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Benzo[a]anthracene	36 J		38	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Benzo[a]pyrene	42		38	7.4	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Benzo[b]fluoranthene	67		38	8.2	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Benzo[g,h,i]perylene	18 J		38	12	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Benzo[k]fluoranthene	26 J		38	11	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Carbazole	<190		190	95	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Chrysene	47		38	10	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Dibenz(a,h)anthracene	7.3 J		38	7.3	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Fluoranthene	54		38	7.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Fluorene	<38		38	5.3	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(0-6)-082117

Lab Sample ID: 500-132932-4

Date Collected: 08/21/17 12:10

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	19	J	38	9.9	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Isophorone	<190		190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Naphthalene	<38		38	5.8	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Phenanthrene	29	J	38	5.3	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Phenol	<190		190	84	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Pyrene	67		38	7.6	ug/Kg	☼	08/28/17 07:17	08/29/17 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		25 - 139				08/28/17 07:17	08/29/17 19:34	1
2-Fluorobiphenyl	78		44 - 121				08/28/17 07:17	08/29/17 19:34	1
2-Fluorophenol	107		46 - 133				08/28/17 07:17	08/29/17 19:34	1
Nitrobenzene-d5	80		41 - 120				08/28/17 07:17	08/29/17 19:34	1
Phenol-d5	97		46 - 125				08/28/17 07:17	08/29/17 19:34	1
Terphenyl-d14	101		35 - 160				08/28/17 07:17	08/29/17 19:34	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Barium	0.34	J	0.50	0.050	mg/L		08/25/17 11:04	08/26/17 16:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:04	08/26/17 16:57	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		08/25/17 11:04	08/26/17 16:57	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Copper	0.011	J B	0.025	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Iron	<0.40		0.40	0.20	mg/L		08/25/17 11:04	08/26/17 16:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/17 11:04	08/26/17 16:57	1
Manganese	0.13		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:04	08/26/17 16:57	1
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 16:57	1
Zinc	0.039	J B	0.50	0.020	mg/L		08/25/17 11:04	08/26/17 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Barium	0.52		0.50	0.050	mg/L		08/25/17 11:09	08/26/17 19:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:09	08/26/17 19:07	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		08/25/17 11:09	08/26/17 19:07	1
Chromium	0.12		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Cobalt	0.022	J	0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Copper	0.11		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Iron	91		0.40	0.20	mg/L		08/25/17 11:09	08/26/17 19:07	1
Lead	0.23		0.0075	0.0075	mg/L		08/25/17 11:09	08/26/17 19:07	1
Manganese	0.77		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Nickel	0.080		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:09	08/26/17 19:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(0-6)-082117

Lab Sample ID: 500-132932-4

Date Collected: 08/21/17 12:10

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:07	1
Zinc	0.44	J	0.50	0.020	mg/L		08/25/17 11:09	08/26/17 19:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Arsenic	2.9		0.56	0.19	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Barium	48		0.56	0.064	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Beryllium	0.43		0.22	0.052	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Cadmium	0.28	B	0.11	0.020	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Calcium	32000	B	11	1.9	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Chromium	13		0.56	0.28	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Cobalt	4.5		0.28	0.073	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Copper	15		0.56	0.16	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Iron	11000		11	5.8	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Lead	57		0.28	0.13	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Magnesium	21000	B	5.6	2.8	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Manganese	230	B	0.56	0.081	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Nickel	11		0.56	0.16	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Potassium	850		28	9.9	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Sodium	1100		56	8.2	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Vanadium	20		0.28	0.066	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1
Zinc	50	B	1.1	0.49	mg/Kg	☼	08/25/17 12:15	08/26/17 15:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 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		08/24/17 13:15	08/25/17 09:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		18	5.9	ug/Kg	☼	08/24/17 08:25	08/24/17 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 09:57	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(6-12)-082117

Lab Sample ID: 500-132932-5

Date Collected: 08/21/17 12:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.0	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Benzene	<1.4		1.4	0.35	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Bromodichloromethane	<1.4		1.4	0.28	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Bromoform	<1.4		1.4	0.40	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Carbon disulfide	<3.5		3.5	0.72	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Carbon tetrachloride	<1.4		1.4	0.40	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Chlorobenzene	<1.4		1.4	0.51	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Chloroethane	<3.5		3.5	1.0	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Chloroform	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
cis-1,2-Dichloroethene	<1.4		1.4	0.39	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
cis-1,3-Dichloropropene	<1.4		1.4	0.42	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Dibromochloromethane	<1.4		1.4	0.45	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,1-Dichloroethane	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,1-Dichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,2-Dichloropropane	<1.4		1.4	0.36	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,3-Dichloropropene, Total	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Ethylbenzene	<1.4		1.4	0.66	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Methyl Ethyl Ketone	<3.5		3.5	1.5	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Methyl tert-butyl ether	<1.4		1.4	0.41	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Styrene	<1.4		1.4	0.42	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.44	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Tetrachloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Toluene	<1.4		1.4	0.35	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
trans-1,2-Dichloroethene	<1.4		1.4	0.61	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
trans-1,3-Dichloropropene	<1.4		1.4	0.49	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,1,1-Trichloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
1,1,2-Trichloroethane	<1.4		1.4	0.59	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Trichloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Vinyl chloride	<1.4		1.4	0.61	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1
Xylenes, Total	<2.8		2.8	0.44	ug/Kg	☼	08/22/17 08:15	08/25/17 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	08/22/17 08:15	08/25/17 14:27	1
Dibromofluoromethane	100		75 - 126	08/22/17 08:15	08/25/17 14:27	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	08/22/17 08:15	08/25/17 14:27	1
Toluene-d8 (Surr)	100		75 - 124	08/22/17 08:15	08/25/17 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,2'-oxybis[1-chloropropane]	<190	*	190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(6-12)-082117

Lab Sample ID: 500-132932-5

Date Collected: 08/21/17 12:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Carbazole	<190		190	93	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Chrysene	<37		37	10	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(6-12)-082117

Lab Sample ID: 500-132932-5

Date Collected: 08/21/17 12:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.2

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	<37		37	9.6	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Isophorone	<190		190	42	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Phenol	<190		190	82	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/28/17 07:17	08/29/17 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		25 - 139				08/28/17 07:17	08/29/17 16:08	1
2-Fluorobiphenyl	73		44 - 121				08/28/17 07:17	08/29/17 16:08	1
2-Fluorophenol	105		46 - 133				08/28/17 07:17	08/29/17 16:08	1
Nitrobenzene-d5	73		41 - 120				08/28/17 07:17	08/29/17 16:08	1
Phenol-d5	94		46 - 125				08/28/17 07:17	08/29/17 16:08	1
Terphenyl-d14	91		35 - 160				08/28/17 07:17	08/29/17 16:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Barium	0.30	J	0.50	0.050	mg/L		08/25/17 11:04	08/26/17 17:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:04	08/26/17 17:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:04	08/26/17 17:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Copper	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Iron	<0.40		0.40	0.20	mg/L		08/25/17 11:04	08/26/17 17:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/17 11:04	08/26/17 17:01	1
Manganese	1.6		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Nickel	0.024	J	0.025	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:04	08/26/17 17:01	1
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:04	08/26/17 17:01	1
Zinc	<0.50		0.50	0.020	mg/L		08/25/17 11:04	08/26/17 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Barium	0.18	J	0.50	0.050	mg/L		08/25/17 11:09	08/26/17 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:09	08/26/17 19:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:09	08/26/17 19:11	1
Chromium	0.041		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Copper	0.032		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Iron	29		0.40	0.20	mg/L		08/25/17 11:09	08/26/17 19:11	1
Lead	0.012		0.0075	0.0075	mg/L		08/25/17 11:09	08/26/17 19:11	1
Manganese	0.22		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Nickel	0.029		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:09	08/26/17 19:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Client Sample ID: VL-15(6-12)-082117

Lab Sample ID: 500-132932-5

Date Collected: 08/21/17 12:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:09	08/26/17 19:11	1
Zinc	0.054	J	0.50	0.020	mg/L		08/25/17 11:09	08/26/17 19:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J B	1.1	0.21	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Arsenic	2.2		0.54	0.19	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Barium	29		0.54	0.062	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Beryllium	0.32		0.22	0.051	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Cadmium	0.087	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Calcium	91000	B	110	18	mg/Kg	☼	08/25/17 12:15	08/28/17 12:46	10
Chromium	9.5		0.54	0.27	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Cobalt	5.4		0.27	0.071	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Copper	11		0.54	0.15	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Iron	9300		11	5.6	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Lead	4.1		0.27	0.13	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Magnesium	37000	B	5.4	2.7	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Manganese	220	B	0.54	0.079	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Nickel	12		0.54	0.16	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Potassium	1100		27	9.6	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Sodium	270		54	8.0	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Vanadium	16		0.27	0.064	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	1
Zinc	19	B	1.1	0.48	mg/Kg	☼	08/25/17 12:15	08/26/17 16:06	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		08/24/17 13:15	08/25/17 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 09:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	19	6.2	ug/Kg	☼	08/24/17 08:25	08/24/17 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 10:01	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132932-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132932-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

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2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534.5200



500-132932 COC

Report To (optional)
Contact: S Babus Kumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste 202
Address: Wendleville, IL 60090
Phone: 224-864-7200
Fax: 224-864-7234
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132932
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 3.1/24.29

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Project Name		Lab Project #		Sampler		Lab PM		Matrix			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	Trace Metals	pH
1		VL-14(0-6)-082117	8/21/17	1135	5	S	X	X	X	X	X
2		VL-14(6-12)-082117		1145							
3		VL-14(6-12)-082117D		1145							
4		VL-15(0-6)-082117		1210							
5		VL-15(6-12)-082117		1215							
6		VL-16(0-6)-082117		1225							
7		VL-16(6-12)-082117	8/21/17	1230	5	S	X	X	X	X	X
LAST REMAINING											

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

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

Relinquished By <u>[Signature]</u> Company: <u>Weston</u>	Date <u>8/21/17</u>	Time <u>1445</u>	Received By <u>[Signature]</u> Company: <u>TA</u>	Date <u>8/21/17</u>	Time <u>1443</u>	Lab Courier: <u>TA</u> Shipped: _____ Hand Delivered: _____
Relinquished By <u>[Signature]</u> Company: <u>TA</u>	Date <u>8/21/17</u>	Time <u>1655</u>	Received By <u>[Signature]</u> Company: <u>TA-AT</u>	Date <u>8/22/17</u>	Time <u>0720</u>	
Relinquished By Company:	Date	Time	Received By Company:	Date	Time	

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

Client Comments:
 Lab Comments:



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

11419 US 20, (ISGS Site No. 2386V-4)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.162802606 Longitude: -88.527737680
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.162802606 Longitude: -88.527737680

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 TB-1 THROUGH TB-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-4. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132755-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

Michael Castillo, P.G.
 Printed Name:

Michael Castillo
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

21 November 2017
 Date:



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

Summary Table of ISGS Site No. 2386V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	TB-1(0-3.5)-081617	TB-2(0-3.5)-081617	TB-3(0-3.5)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	8/16/2017	
Location ID	TB-1	TB-2	TB-3	
Depth	0 - 3.5	0 - 3.5	0 - 3.5	
ISGS Site No.	2386V-4	2386V-4	2386V-4	
Parameter				
Laboratory pH	8.2	8.8	8.1	<6.5; >9.0
VOCs (ug/kg)	No Exceedances			
SVOCs (ug/kg)	No Exceedances			
Total Metals (mg/kg)				
Arsenic, Total	4.7	3.7	2.7	11.3 / 13.0
Barium, Total	59	46	62	1500
Beryllium, Total	0.49	0.37	0.44	22
Cadmium, Total	0.2	0.15	0.26	5.2
Calcium, Total	17000 B	94000 B	26000 B	---
Chromium, Total	14	11	13	21
Cobalt, Total	7.8	5.4	6.5	20
Copper, Total	13	12	19	2900
Iron, Total	15000	12000	12000	15000 / 15900
Lead, Total	16	5.1	32	107
Magnesium, Total	12000	32000	17000	325000
Manganese, Total	330	270	380	630 / 636
Mercury, Total	0.032	0.017	0.03	0.89
Nickel, Total	18	13	14	100
Potassium, Total	1000	1200	1100	---
Selenium, Total	ND	ND	ND	1.3
Sodium, Total	590	420	450	---
Vanadium, Total	26	18	22	550
Zinc, Total	33	24	41	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	ND	0.05
Barium, TCLP	0.63	0.46 J	0.39 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	0.0032 J	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	0.028	ND	ND	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	1.3 B	ND	ND	5
Lead, TCLP	0.04	ND	ND	0.0075
Manganese, TCLP	8.2	0.02 J	0.018 J	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	0.023 J	ND	ND	0.1
Zinc, TCLP	0.19 J	0.031 J	0.023 J	5
SPLP Metals (mg/l)				
Arsenic, SPLP	0.032 J	0.013 J	ND	0.05
Barium, SPLP	0.79	0.36 J	0.62	2
Beryllium, SPLP	0.0048	ND	0.0041	0.004
Cadmium, SPLP	0.0029 J	ND	ND	0.005
Chromium, SPLP	0.15	0.077	0.14	0.1
Cobalt, SPLP	0.045	0.014 J	0.022 J	1
Copper, SPLP	0.14	0.068	0.11	0.65
Iron, SPLP	130	67	94	5
Lead, SPLP	0.24	0.026	0.054	0.0075
Manganese, SPLP	1.9	0.36	0.53	0.15
Mercury, SPLP	ND	ND	ND	0.002
Nickel, SPLP	0.12	0.056	0.09	0.1
Zinc, SPLP	0.34 J	0.12 J	0.23 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

 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: 500-132755-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/25/2017 3:31:00 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-1(0-3.5)-081617

Lab Sample ID: 500-132755-4

Date Collected: 08/16/17 09:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	40		18	7.7	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1
Xylenes, Total	<3.5		3.5	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/17/17 07:50	08/21/17 20:47	1
Dibromofluoromethane	96		75 - 126	08/17/17 07:50	08/21/17 20:47	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	08/17/17 07:50	08/21/17 20:47	1
Toluene-d8 (Surr)	95		75 - 124	08/17/17 07:50	08/21/17 20:47	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	☼	08/23/17 07:18	08/24/17 21:20	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-1(0-3.5)-081617

Lab Sample ID: 500-132755-4

Date Collected: 08/16/17 09:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2-Methylphenol	<200		200	64	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Acenaphthene	13 J		39	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Acenaphthylene	7.0 J		39	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Anthracene	11 J		39	6.6	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Benzo[a]anthracene	44		39	5.3	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Benzo[a]pyrene	50		39	7.7	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Benzo[b]fluoranthene	62		39	8.6	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Benzo[g,h,i]perylene	32 J		39	13	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Benzo[k]fluoranthene	41		39	12	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Carbazole	<200		200	99	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Chrysene	57		39	11	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Dibenzofuran	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Fluoranthene	95		39	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Fluorene	13 J		39	5.6	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-1(0-3.5)-081617

Lab Sample ID: 500-132755-4

Date Collected: 08/16/17 09:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	28	J	39	10	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Isophorone	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Phenanthrene	49		39	5.5	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Phenol	<200		200	88	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Pyrene	83		39	7.9	ug/Kg	☼	08/23/17 07:18	08/24/17 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		25 - 139				08/23/17 07:18	08/24/17 21:20	1
2-Fluorobiphenyl	76		44 - 121				08/23/17 07:18	08/24/17 21:20	1
2-Fluorophenol	89		46 - 133				08/23/17 07:18	08/24/17 21:20	1
Nitrobenzene-d5	73		41 - 120				08/23/17 07:18	08/24/17 21:20	1
Phenol-d5	87		46 - 125				08/23/17 07:18	08/24/17 21:20	1
Terphenyl-d14	91		35 - 160				08/23/17 07:18	08/24/17 21:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Barium	0.63		0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:08	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:08	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Cobalt	0.028		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Iron	1.3	B	0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:08	1
Lead	0.040		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:08	1
Manganese	8.2		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Nickel	0.023	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:08	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:08	1
Zinc	0.19	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032	J	0.050	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Barium	0.79		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:28	1
Beryllium	0.0048		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:28	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:28	1
Chromium	0.15		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Cobalt	0.045		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Copper	0.14		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Iron	130		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:28	1
Lead	0.24		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:28	1
Manganese	1.9		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Nickel	0.12		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-1(0-3.5)-081617

Lab Sample ID: 500-132755-4

Date Collected: 08/16/17 09:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:28	1
Zinc	0.34	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Arsenic	4.7		0.60	0.21	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Barium	59		0.60	0.069	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Beryllium	0.49		0.24	0.056	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Cadmium	0.20		0.12	0.022	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Calcium	17000	B	12	2.0	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Chromium	14		0.60	0.30	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Cobalt	7.8		0.30	0.079	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Copper	13		0.60	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Iron	15000		12	6.3	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Lead	16		0.30	0.14	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Magnesium	12000		6.0	3.0	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Manganese	330		0.60	0.087	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Nickel	18		0.60	0.18	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Potassium	1000		30	11	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Silver	<0.30		0.30	0.078	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Sodium	590		60	8.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Vanadium	26		0.30	0.071	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	1
Zinc	33		1.2	0.53	mg/Kg	☼	08/21/17 10:31	08/22/17 13:29	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		08/21/17 12:00	08/22/17 08:53	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		08/21/17 12:00	08/22/17 09:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		19	6.4	ug/Kg	☼	08/20/17 11:40	08/21/17 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.20	0.20	SU			08/22/17 15:08	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-2(0-3.5)-081617

Lab Sample ID: 500-132755-5

Date Collected: 08/16/17 09:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Bromomethane	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/17/17 07:50	08/21/17 21:11	1
Dibromofluoromethane	96		75 - 126	08/17/17 07:50	08/21/17 21:11	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/17/17 07:50	08/21/17 21:11	1
Toluene-d8 (Surr)	96		75 - 124	08/17/17 07:50	08/21/17 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-2(0-3.5)-081617

Lab Sample ID: 500-132755-5

Date Collected: 08/16/17 09:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Anthracene	7.9	J	37	6.2	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Benzo[a]anthracene	39		37	5.0	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Benzo[a]pyrene	45		37	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Benzo[b]fluoranthene	55		37	8.0	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Benzo[g,h,i]perylene	34	J	37	12	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Benzo[k]fluoranthene	40		37	11	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Carbazole	<190		190	92	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Chrysene	58		37	10	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Fluoranthene	130		37	6.9	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-2(0-3.5)-081617

Lab Sample ID: 500-132755-5

Date Collected: 08/16/17 09:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	32	J	37	9.6	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Isophorone	<190		190	41	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Phenanthrene	77		37	5.2	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Phenol	<190		190	82	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Pyrene	110		37	7.3	ug/Kg	☼	08/23/17 07:18	08/24/17 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		25 - 139				08/23/17 07:18	08/24/17 16:28	1
2-Fluorobiphenyl	62		44 - 121				08/23/17 07:18	08/24/17 16:28	1
2-Fluorophenol	77		46 - 133				08/23/17 07:18	08/24/17 16:28	1
Nitrobenzene-d5	61		41 - 120				08/23/17 07:18	08/24/17 16:28	1
Phenol-d5	76		46 - 125				08/23/17 07:18	08/24/17 16:28	1
Terphenyl-d14	88		35 - 160				08/23/17 07:18	08/24/17 16:28	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		08/20/17 08:49	08/21/17 20:13	1
Barium	0.46	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:13	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:13	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:13	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:13	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:13	1
Manganese	0.020	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:13	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:13	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:13	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:13	1
Zinc	0.031	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Barium	0.36	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:32	1
Chromium	0.077		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Copper	0.068		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Iron	67		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:32	1
Lead	0.026		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:32	1
Manganese	0.36		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Nickel	0.056		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-2(0-3.5)-081617

Lab Sample ID: 500-132755-5

Date Collected: 08/16/17 09:30

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:32	1
Zinc	0.12	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Arsenic	3.7		0.53	0.18	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Barium	46		0.53	0.061	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Beryllium	0.37		0.21	0.050	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Cadmium	0.15		0.11	0.019	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Calcium	94000	B	110	18	mg/Kg	☼	08/21/17 10:31	08/23/17 13:57	10
Chromium	11		0.53	0.26	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Cobalt	5.4		0.27	0.070	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Copper	12		0.53	0.15	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Iron	12000		11	5.5	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Lead	5.1		0.27	0.12	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Magnesium	32000		5.3	2.6	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Manganese	270		0.53	0.077	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Nickel	13		0.53	0.15	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Potassium	1200		27	9.4	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Sodium	420		53	7.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Vanadium	18		0.27	0.063	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	1
Zinc	24		1.1	0.47	mg/Kg	☼	08/21/17 10:31	08/22/17 13:33	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		08/21/17 12:00	08/22/17 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		17	5.6	ug/Kg	☼	08/20/17 11:40	08/21/17 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/22/17 15:11	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-3(0-3.5)-081617

Lab Sample ID: 500-132755-6

Date Collected: 08/16/17 09:40

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.6	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
1,1,2-Trichloroethane	<1.7		1.7	0.75	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/17/17 07:50	08/21/17 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	08/17/17 07:50	08/21/17 21:36	1
Dibromofluoromethane	99		75 - 126	08/17/17 07:50	08/21/17 21:36	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/17/17 07:50	08/21/17 21:36	1
Toluene-d8 (Surr)	94		75 - 124	08/17/17 07:50	08/21/17 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-3(0-3.5)-081617

Lab Sample ID: 500-132755-6

Date Collected: 08/16/17 09:40

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Anthracene	<38		38	6.5	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Benzo[a]anthracene	12 J		38	5.2	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Benzo[a]pyrene	15 J		38	7.5	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Benzo[b]fluoranthene	21 J		38	8.3	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Carbazole	<190		190	97	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Chrysene	19 J		38	11	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Fluoranthene	27 J		38	7.2	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-3(0-3.5)-081617

Lab Sample ID: 500-132755-6

Date Collected: 08/16/17 09:40

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	10	J	38	10	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Isophorone	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Phenanthrene	13	J	38	5.4	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Phenol	<190		190	86	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Pyrene	26	J	38	7.7	ug/Kg	☼	08/23/17 07:18	08/25/17 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	40		25 - 139				08/23/17 07:18	08/25/17 12:11	1
2-Fluorobiphenyl	50		44 - 121				08/23/17 07:18	08/25/17 12:11	1
2-Fluorophenol	63		46 - 133				08/23/17 07:18	08/25/17 12:11	1
Nitrobenzene-d5	47		41 - 120				08/23/17 07:18	08/25/17 12:11	1
Phenol-d5	57		46 - 125				08/23/17 07:18	08/25/17 12:11	1
Terphenyl-d14	59		35 - 160				08/23/17 07:18	08/25/17 12:11	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		08/20/17 08:49	08/21/17 20:17	1
Barium	0.39	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 20:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 20:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 20:17	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:17	1
Cobalt	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:17	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:17	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 20:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 20:17	1
Manganese	0.018	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:17	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:17	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 20:17	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 20:17	1
Zinc	0.023	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Barium	0.62		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 16:35	1
Beryllium	0.0041		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 16:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 16:35	1
Chromium	0.14		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Cobalt	0.022	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Copper	0.11		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Iron	94		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 16:35	1
Lead	0.054		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 16:35	1
Manganese	0.53		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Nickel	0.090		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 16:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: TB-3(0-3.5)-081617

Lab Sample ID: 500-132755-6

Date Collected: 08/16/17 09:40

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 16:35	1
Zinc	0.23	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 16:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Arsenic	2.7		0.59	0.20	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Barium	62		0.59	0.067	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Beryllium	0.44		0.24	0.055	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Cadmium	0.26		0.12	0.021	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Calcium	26000	B	12	2.0	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Chromium	13		0.59	0.29	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Cobalt	6.5		0.30	0.077	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Copper	19		0.59	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Iron	12000		12	6.1	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Lead	32		0.30	0.14	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Magnesium	17000		5.9	2.9	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Manganese	380		0.59	0.086	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Nickel	14		0.59	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Potassium	1100		30	10	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Silver	<0.30		0.30	0.076	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Sodium	450		59	8.7	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Vanadium	22		0.30	0.070	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	1
Zinc	41		1.2	0.52	mg/Kg	☼	08/21/17 10:31	08/22/17 13:37	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		08/21/17 12:00	08/22/17 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		17	5.7	ug/Kg	☼	08/20/17 11:40	08/21/17 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.20	0.20	SU			08/22/17 15:13	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132755-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132755 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, #202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132755
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 23.218

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Sampler		# of Containers	Matrix	VOCs	SVOCs	Total Metals		TEUP/SLP Metals	PH
Project Location/State		Lab Project #		Lab PM									
Lab ID	MS/MSD	Sample ID	Date	Time									Comments
1		AL-1(0-4)-081617	8-16-17	0845	5	S	X	X	X	X	X		
2		AL-1(0-4)-081617D	8-16-17	0845									
3		AL-1(4-9.5)-081617	8-16-17	0855									
4		TB-1(0-3.5)-081617		0915									
5		TB-2(0-3.5)-081617		0930									
6		TB-3(0-3.5)-081617		0940									
7		TB-4(0-3.5)-081617		0953									
8		AL-2(0-4)-081617		1010									
9		AL-2(4-9.5)-081617		1015									
10		AL-3(0-4)-081617	8-16-17	1030	5	S	X	X	X	X	X		

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

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

Relinquished By <u>Chris D'Amico</u> Company <u>Weston</u>	Date <u>8/16/17</u>	Time <u>1524</u>	Received By <u>J. Neal</u> Company <u>TA</u>	Date <u>8/16/17</u>	Time <u>1521</u>
Relinquished By <u>J. Neal</u> Company <u>TA</u>	Date <u>8/16/17</u>	Time <u>1725</u>	Received By <u>Shirley Scott</u> Company <u>TA-CO2</u>	Date <u>8/17/17</u>	Time <u>0715</u>
Relinquished By _____	Date _____	Time _____	Received By _____	Date _____	Time _____

Lab Courier: JH
Shipped: _____
Hand Delivered: _____

Matrix Key

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: (optional)
 Contact: S. Babusukumar
 Company: Weston Solutions
 Address: 300 Plaza Circle, Ste 202
 Address: Mundelein, IL
 Phone: 224-864-7200
 Fax: 224-864-7236
 E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132755
 Chain of Custody Number: _____
 Page 2 of 2
 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		Lab Project #		Parameter								
Project Location/State		Lab PM										
Sampler												
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	Trace Metals	PH	Comments
			Date	Time								
11		AL-3(4-9-5)-081617	8-16-17	1035	5	S	X	X	X	X	X	
12		AL-4(0-4)-081617		1100								
13		AL-4(0-4)-081617		1100								
14		AL-4(4-9-5)-081617		1110								
15		AL-5(0-4)-081617		1125								
16		AL-5(4-9-5)-081617		1130								
17		AL-6(0-4)-081617		1148								
18		AL-6(4-9-5)-081617		1158								
19		RS-1(0-4)-081617		1210								
20		RS-2(0-2-4)-081617	8-16-17	1220	5	S	X	X	X	X	X	

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1721</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHI</u> Date: <u>8/17/17</u> Time: <u>0715</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: [Signature]
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: _____
 Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

17010 Harmony Road, (ISGS Site No. 2386V-5)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160934296 Longitude: -88.529154077
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160934296 Longitude: -88.529154077

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 R5-1 AND R5-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-5. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132755-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Circle Plaza, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael Castillo, P.G.

Printed Name:

Michael Castillo

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

21 November 2017

Date:



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

Summary Table of ISGS Site No. 2386V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	R5-1(0-2.4)-081617	R5-2(0-2.4)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	
Location ID	R5-1	R5-2	
Depth	0 - 2.4	0 - 2.4	
ISGS Site No.	2386V-5	2386V-5	
Parameter			
Laboratory pH	8.0	8.3	<6.5; >9.0
VOCs (ug/kg)			
No Exceedances			
SVOCs (ug/kg)			
Acenaphthylene	ND	15 J	---
Anthracene	14 J	18 J	1.20E+07
Benzo(a)anthracene	13 J	89	900 / 1100 / 1800
Benzo(a)pyrene	21 J	95	90 / 1300 / 2100
Benzo(b)fluoranthene	33 J	120	900 / 1500 / 2100
Benzo(g,h,i)perylene	18 J	54	---
Benzo(k)fluoranthene	16 J	63	9000
Chrysene	32 J	96	88000
Dibenzo(a,h)anthracene	ND	14 J	90 / 200 / 420
Fluoranthene	36 J	190	3100000
Indeno(1,2,3-cd)pyrene	17 J	54	900 / 900 / 1600
Phenanthrene	16 J	58	---
Pyrene	31 J	160	2300000
Total Metals (mg/kg)			
Antimony, Total	ND	ND	5
Arsenic, Total	2.9	3.8	11.3 / 13.0
Barium, Total	71	71	1500
Beryllium, Total	0.42	0.51	22
Cadmium, Total	0.28	0.2	5.2
Calcium, Total	5000 B	7100 B	---
Chromium, Total	13	16	21
Cobalt, Total	3.9	8	20
Copper, Total	10	14	2900
Iron, Total	12000	15000	15000 / 15900
Lead, Total	22	15	107
Magnesium, Total	2700	5200	325000
Manganese, Total	160	350	630 / 636
Mercury, Total	0.045	0.032	0.89
Nickel, Total	8.8	17	100
Potassium, Total	880	1100	---
Selenium, Total	ND	0.4 J	1.3
Sodium, Total	1500	1000	---
Vanadium, Total	23	27	550
Zinc, Total	52	58	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.39 J	0.58	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	0.0021 J	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	0.019 J	0.033	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	5.3	8.8 J-	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	0.013 J	0.1
Zinc, TCLP	0.11 J	0.13 J	5

Summary Table of ISGS Site No. 2386V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	R5-1(0-2.4)-081617	R5-2(0-2.4)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	
Location ID	R5-1	R5-2	
Depth	0 - 2.4	0 - 2.4	
ISGS Site No.	2386V-5	2386V-5	
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	0.012 J	0.05
Barium, SPLP	0.58	0.46 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	0.0027 J	ND	0.005
Chromium, SPLP	0.14	0.093	0.1
Cobalt, SPLP	0.021 J	0.03	1
Copper, SPLP	0.07	0.11	0.65
Iron, SPLP	95	73	5
Lead, SPLP	0.083	0.062	0.0075
Manganese, SPLP	0.98	0.97	0.15
Mercury, SPLP	0.0002	ND	0.002
Nickel, SPLP	0.06	0.084	0.1
Zinc, SPLP	0.26 J	0.21 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

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: 500-132755-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/25/2017 3:31:00 PM

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

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-1(0-2.4)-081617

Lab Sample ID: 500-132755-19

Date Collected: 08/16/17 12:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 80.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	65		23	10	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Benzene	<2.3		2.3	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Bromodichloromethane	<2.3		2.3	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Bromoform	<2.3		2.3	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Bromomethane	<5.8		5.8	2.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Carbon disulfide	<5.8		5.8	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Carbon tetrachloride	<2.3		2.3	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Chlorobenzene	<2.3		2.3	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Chloroethane	<5.8		5.8	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Chloroform	<2.3		2.3	0.80	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Chloromethane	<5.8		5.8	2.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
cis-1,2-Dichloroethene	<2.3		2.3	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
cis-1,3-Dichloropropene	<2.3		2.3	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Dibromochloromethane	<2.3		2.3	0.75	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,1-Dichloroethane	<2.3		2.3	0.79	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,2-Dichloroethane	<5.8		5.8	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,1-Dichloroethene	<2.3		2.3	0.79	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,2-Dichloropropane	<2.3		2.3	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,3-Dichloropropane, Total	<2.3		2.3	0.81	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Ethylbenzene	<2.3		2.3	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Methylene Chloride	<5.8		5.8	2.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Methyl Ethyl Ketone	12		5.8	2.6	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
methyl isobutyl ketone	<5.8		5.8	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Methyl tert-butyl ether	<2.3		2.3	0.68	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Styrene	<2.3		2.3	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,1,2,2-Tetrachloroethane	<2.3		2.3	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Tetrachloroethene	<2.3		2.3	0.78	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Toluene	<2.3		2.3	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
trans-1,2-Dichloroethene	<2.3		2.3	1.0	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
trans-1,3-Dichloropropene	<2.3		2.3	0.81	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,1,1-Trichloroethane	<2.3		2.3	0.77	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
1,1,2-Trichloroethane	<2.3		2.3	0.99	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Trichloroethene	<2.3		2.3	0.78	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Vinyl chloride	<2.3		2.3	1.0	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1
Xylenes, Total	<4.6		4.6	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 02:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	08/17/17 07:50	08/22/17 02:52	1
Dibromofluoromethane	99		75 - 126	08/17/17 07:50	08/22/17 02:52	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/17/17 07:50	08/22/17 02:52	1
Toluene-d8 (Surr)	95		75 - 124	08/17/17 07:50	08/22/17 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-1(0-2.4)-081617

Lab Sample ID: 500-132755-19

Date Collected: 08/16/17 12:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2-Methylphenol	<200		200	65	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Anthracene	14 J		40	6.7	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Benzo[a]anthracene	13 J		40	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Benzo[a]pyrene	21 J		40	7.8	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Benzo[b]fluoranthene	33 J		40	8.7	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Benzo[g,h,i]perylene	18 J		40	13	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Benzo[k]fluoranthene	16 J		40	12	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Carbazole	<200		200	100	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Chrysene	32 J		40	11	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Dibenzofuran	<200		200	47	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Fluoranthene	36 J		40	7.5	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Fluorene	<40		40	5.7	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Hexachloroethane	<200		200	61	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-1(0-2.4)-081617

Lab Sample ID: 500-132755-19

Date Collected: 08/16/17 12:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 80.6

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	17	J	40	10	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Isophorone	<200		200	45	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Naphthalene	<40		40	6.2	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Nitrobenzene	<40		40	10	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Phenanthrene	16	J	40	5.6	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Phenol	<200		200	90	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Pyrene	31	J	40	8.0	ug/Kg	☼	08/23/17 07:18	08/24/17 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		25 - 139				08/23/17 07:18	08/24/17 19:34	1
2-Fluorobiphenyl	80		44 - 121				08/23/17 07:18	08/24/17 19:34	1
2-Fluorophenol	92		46 - 133				08/23/17 07:18	08/24/17 19:34	1
Nitrobenzene-d5	78		41 - 120				08/23/17 07:18	08/24/17 19:34	1
Phenol-d5	90		46 - 125				08/23/17 07:18	08/24/17 19:34	1
Terphenyl-d14	85		35 - 160				08/23/17 07:18	08/24/17 19:34	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Barium	0.39	J	0.50	0.050	mg/L		08/20/17 08:49	08/21/17 21:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 21:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 21:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Cobalt	0.019	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Iron	<0.40		0.40	0.20	mg/L		08/20/17 08:49	08/21/17 21:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 21:26	1
Manganese	5.3		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Nickel	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 21:26	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:26	1
Zinc	0.11	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Barium	0.58		0.50	0.050	mg/L		08/20/17 08:57	08/21/17 17:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 17:31	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 17:31	1
Chromium	0.14		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Cobalt	0.021	J	0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Copper	0.070		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Iron	95		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 17:31	1
Lead	0.083		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 17:31	1
Manganese	0.98		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Nickel	0.060		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 17:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-1(0-2.4)-081617

Lab Sample ID: 500-132755-19

Date Collected: 08/16/17 12:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:31	1
Zinc	0.26	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 17:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Arsenic	2.9		0.57	0.20	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Barium	71		0.57	0.066	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Beryllium	0.42		0.23	0.054	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Cadmium	0.28		0.11	0.021	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Calcium	5000	B	11	1.9	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Chromium	13		0.57	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Cobalt	3.9		0.29	0.075	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Copper	10		0.57	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Iron	12000		11	6.0	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Lead	22		0.29	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Magnesium	2700		5.7	2.9	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Manganese	160		0.57	0.083	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Nickel	8.8		0.57	0.17	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Potassium	880		29	10	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Sodium	1500		57	8.5	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Vanadium	23		0.29	0.068	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1
Zinc	52		1.1	0.50	mg/Kg	☼	08/21/17 10:31	08/22/17 14:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	45		18	6.0	ug/Kg	☼	08/20/17 11:40	08/21/17 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.20	0.20	SU			08/22/17 15:48	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-2(0-2.4)-081617

Lab Sample ID: 500-132755-20

Date Collected: 08/16/17 12:20

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	33		19	8.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Benzene	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Bromoform	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Bromomethane	<4.8		4.8	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Carbon disulfide	<4.8		4.8	0.99	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Chlorobenzene	<1.9		1.9	0.71	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Chloroethane	<4.8		4.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Chloromethane	<4.8		4.8	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
cis-1,3-Dichloropropene	<1.9		1.9	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Dibromochloromethane	<1.9		1.9	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,1-Dichloroethane	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,2-Dichloroethane	<4.8		4.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,1-Dichloroethene	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,3-Dichloropropane, Total	<1.9		1.9	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Ethylbenzene	<1.9		1.9	0.91	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
2-Hexanone	<4.8		4.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Methylene Chloride	<4.8		4.8	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Methyl Ethyl Ketone	3.5 J		4.8	2.1	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
methyl isobutyl ketone	<4.8		4.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Styrene	<1.9		1.9	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Tetrachloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
trans-1,2-Dichloroethene	<1.9		1.9	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
trans-1,3-Dichloropropene	<1.9		1.9	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,1,1-Trichloroethane	<1.9		1.9	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
1,1,2-Trichloroethane	<1.9		1.9	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Trichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Vinyl chloride	<1.9		1.9	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/17/17 07:50	08/22/17 03:17	1
Dibromofluoromethane	99		75 - 126	08/17/17 07:50	08/22/17 03:17	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/17/17 07:50	08/22/17 03:17	1
Toluene-d8 (Surr)	92		75 - 124	08/17/17 07:50	08/22/17 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	☼	08/23/17 07:18	08/24/17 20:00	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-2(0-2.4)-081617

Lab Sample ID: 500-132755-20

Date Collected: 08/16/17 12:20

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Acenaphthylene	15	J	38	5.0	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Anthracene	18	J	38	6.4	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Benzo[a]anthracene	89		38	5.1	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Benzo[a]pyrene	95		38	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Benzo[b]fluoranthene	120		38	8.2	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Benzo[g,h,i]perylene	54		38	12	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Benzo[k]fluoranthene	63		38	11	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Carbazole	<190		190	95	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Chrysene	96		38	10	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Dibenz(a,h)anthracene	14	J	38	7.4	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Fluoranthene	190		38	7.1	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-2(0-2.4)-081617

Lab Sample ID: 500-132755-20

Date Collected: 08/16/17 12:20

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

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	54		38	9.9	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Isophorone	<190		190	43	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Phenanthrene	58		38	5.3	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Phenol	<190		190	85	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Pyrene	160		38	7.6	ug/Kg	☼	08/23/17 07:18	08/24/17 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		25 - 139				08/23/17 07:18	08/24/17 20:00	1
2-Fluorobiphenyl	83		44 - 121				08/23/17 07:18	08/24/17 20:00	1
2-Fluorophenol	95		46 - 133				08/23/17 07:18	08/24/17 20:00	1
Nitrobenzene-d5	83		41 - 120				08/23/17 07:18	08/24/17 20:00	1
Phenol-d5	94		46 - 125				08/23/17 07:18	08/24/17 20:00	1
Terphenyl-d14	90		35 - 160				08/23/17 07:18	08/24/17 20:00	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Barium	0.58		0.50	0.050	mg/L		08/20/17 08:49	08/21/17 21:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:49	08/21/17 21:30	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/20/17 08:49	08/21/17 21:30	1
Chromium	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Cobalt	0.033		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Copper	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Iron	0.33	J B	0.40	0.20	mg/L		08/20/17 08:49	08/21/17 21:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/20/17 08:49	08/21/17 21:30	1
Manganese	8.8		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Nickel	0.013	J	0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:49	08/21/17 21:30	1
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:49	08/21/17 21:30	1
Zinc	0.13	J	0.50	0.020	mg/L		08/20/17 08:49	08/21/17 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Barium	0.46	J	0.50	0.050	mg/L		08/20/17 08:57	08/21/17 17:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/20/17 08:57	08/21/17 17:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/20/17 08:57	08/21/17 17:35	1
Chromium	0.093		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Cobalt	0.030		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Copper	0.11		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Iron	73		0.40	0.20	mg/L		08/20/17 08:57	08/21/17 17:35	1
Lead	0.062		0.0075	0.0075	mg/L		08/20/17 08:57	08/21/17 17:35	1
Manganese	0.97		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Nickel	0.084		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/20/17 08:57	08/21/17 17:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Client Sample ID: R5-2(0-2.4)-081617

Lab Sample ID: 500-132755-20

Date Collected: 08/16/17 12:20

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/20/17 08:57	08/21/17 17:35	1
Zinc	0.21	J	0.50	0.020	mg/L		08/20/17 08:57	08/21/17 17:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Arsenic	3.8		0.57	0.19	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Barium	71		0.57	0.065	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Beryllium	0.51		0.23	0.053	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Cadmium	0.20		0.11	0.020	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Calcium	7100	B	11	1.9	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Chromium	16		0.57	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Cobalt	8.0		0.28	0.074	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Copper	14		0.57	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Iron	15000		11	5.9	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Lead	15		0.28	0.13	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Magnesium	5200		5.7	2.8	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Manganese	350		0.57	0.082	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Nickel	17		0.57	0.16	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Potassium	1100		28	10	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Selenium	0.40	J	0.57	0.33	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Sodium	1000		57	8.4	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Vanadium	27		0.28	0.067	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1
Zinc	58		1.1	0.50	mg/Kg	☼	08/21/17 10:31	08/22/17 14:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 09:22	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		08/21/17 12:00	08/22/17 10:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		18	6.1	ug/Kg	☼	08/20/17 11:40	08/21/17 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/22/17 15:50	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132755-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132755-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132755 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, #202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132755
Chain of Custody Number: _____
Page 1 of 2
Temperature °C of Cooler: 23.218

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Sampler		# of Containers	Matrix	VOCs	SVOCs	Total Metals		TEUP/SLP Metals	PH
Project Location/State		Lab Project #		Lab PM									
Lab ID	MS/MSD	Sample ID	Date	Time	Matrix								
Weston Solutions		02056-014-060-0030		M. Doherty-Skubic		D. Wright							
IDOT 060- vs 20 @ Harmony Rd		Caroltownship, IL											
1		AL-1(0-4)-081617	8-16-17	0845	5 S	X	X	X	X	X			
2		AL-1(0-4)-081617D	8-16-17	0845									
3		AL-1(4-9.5)-081617	8-16-17	0855									
4		TB-1(0-3.5)-081617		0915									
5		TB-2(0-3.5)-081617		0930									
6		TB-3(0-3.5)-081617		0940									
7		TB-4(0-3.5)-081617		0953									
8		AL-2(0-4)-081617		1010									
9		AL-2(4-9.5)-081617		1015									
10		AL-3(0-4)-081617	8-16-17	1030	5 S	X	X	X	X	X			

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1524</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-COIT</u> Date: <u>8/17/17</u> Time: <u>0715</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
 Address: 300 Plaza Circle, Ste 202
Mundelein, IL
 Phone: 224-864-7200
 Fax: 224-864-7236
 E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132755
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative								
<u>Weston Solutions</u>		<u>02056.014.060.0030</u>										
Project Name		Lab Project #		Parameter								
<u>DOT 060-US 20@Harmony Rd</u>												
Project Location/State		Lab Project #		Parameter								
<u>Coart Township, IL</u>												
Sampler		Lab PM		Parameter								
<u>M. Osheny-Skubic</u>		<u>D. Wright</u>										
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TECP/SOP Metals	PH	Comments
			Date	Time								
<u>11</u>		<u>AL-3(4-9-5)-081617</u>	<u>8-16-17</u>	<u>1035</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>AL-4(0-4)-081617</u>		<u>1100</u>								
<u>13</u>		<u>AL-4(0-4)-081617 D</u>		<u>1100</u>								
<u>14</u>		<u>AL-4(4-9-5)-081617</u>		<u>1110</u>								
<u>15</u>		<u>AL-5(0-4)-081617</u>		<u>1125</u>								
<u>16</u>		<u>AL-5(4-9-5)-081617</u>		<u>1130</u>								
<u>17</u>		<u>AL-6(0-4)-081617</u>		<u>1148</u>								
<u>18</u>		<u>AL-6(4-9-5)-081617</u>		<u>1158</u>								
<u>19</u>		<u>RS-1(0-4)-081617</u>		<u>1210</u>								
<u>20</u>		<u>RS-2(0-2-4)-081617</u>	<u>8-16-17</u>	<u>1220</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1721</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-OR</u> Date: <u>8/17/17</u> Time: <u>0715</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: [Signature]
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: _____
 Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

16820 Harmony Road, (ISGS Site No. 2386V-6)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160945685 Longitude: -88.526210949
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 525: US Route 20 at Harmony RoadLatitude: 42.160945685 Longitude: -88.526210949Uncontaminated 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 R6-1 THROUGH R6-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-6. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORTS - JOB IDs: 500-132889-1 AND 500-132931-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.
Street Address: 300 Circle Plaza; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

Michael Castillo, P.G.
Printed Name:

Michael Castillo

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

21 November 2017

Date:



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

Summary Table of ISGS Site No. 2386V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	R6-1(0-4)-081817	R6-1(4-9.5)-081817	R6-2(0-4)-081817	R6-2(4-9.5)-081817	R6-3(0-4)-082117	R6-3(0-4)-082117D	R6-3(4-9.5)-082117	R6-4(0-4)-082117	R6-4(4-9.5)-082117	Soil Reference Concentrations ^A
Sample Date	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/21/2017	8/21/2017	8/21/2017	8/21/2017	8/21/2017	
Location ID	R6-1	R6-1	R6-2	R6-2	R6-3	R6-3	R6-3	R6-4	R6-4	
Depth	0 - 4	4 - 9.5	0 - 4	4 - 9.5	0 - 4	0 - 4	4 - 9.5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	
Parameter										
Laboratory pH	8.3	8.8	8.4	8.5	8.3	8.7	8.8	8.8	8.6	<6.5; >9.0
VOCs (ug/kg)	No Exceedances									
SVOCs (ug/kg)	No Exceedances									
Total Metals (mg/kg)										
Antimony, Total	ND	ND	ND	ND	0.45 J	0.62 J	0.35 J	0.47 J	0.48 J	5
Arsenic, Total	2.3	1.9	3.3	1.8 J	2.4 J-	1.9	2	2.2	2.3	11.3 / 13.0
Barium, Total	30	27	45	33	32	36	28	36	29	1500
Beryllium, Total	0.33	0.33	0.43	0.39	0.35	0.4	0.4	0.41	0.4	22
Cadmium, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2
Calcium, Total	130000 B	110000 B	28000 B	120000 J+	70000 J	90000 B	95000 B	93000 B	97000 B	---
Chromium, Total	9.7	9.8	13	11 J	10	11	11	11	11	21
Cobalt, Total	4.9	3.8	6.4	6 J	5	5.7	5.9	5.9	5.5	20
Copper, Total	12	11	13	14 J	12 J-	12	12	13	12	2900
Iron, Total	9000	8000	12000	9500 J+	8900 J	9500 B	9600 B	10000 B	10000 B	15000 / 15900
Lead, Total	6	4	7.3	4.5	21 J	4.7	5	5.5	5.2	107
Magnesium, Total	36000	33000	19000	33000 J-	31000 J	35000	35000	35000	37000	325000
Manganese, Total	190	150	240	200 J-	210 J-	340	200	240	210	630 / 636
Mercury, Total	0.013 J	0.015 J	0.026	0.013 J	0.018	0.02	0.013 J	0.02	0.019	0.89
Nickel, Total	12	10	17	14	12	17	14	15	14	100
Potassium, Total	1200	1200	1200	1500 J	990 J+	1300	1300	1200	1300	---
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Sodium, Total	1200	410	730	450	620 J	370 B	320 B	2100 B	490 B	---
Vanadium, Total	14	14	24	16 J-	17	17	16	16	16	550
Zinc, Total	20	19	29	25	45 J	24	24	27	24	5100
TCLP Metals (mg/l)										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.27 J	0.27 J	0.38 J	0.3 J	0.36 J	0.4 J	0.29 J	0.51	0.32 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	0.015 J	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.39	0.93	1.8	0.64	1.8	2.2	0.9	0.58	0.64	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.016 J	0.015 J	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2386V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	R6-1(0-4)-081817	R6-1(4-9.5)-081817	R6-2(0-4)-081817	R6-2(4-9.5)-081817	R6-3(0-4)-082117	R6-3(0-4)-082117D	R6-3(4-9.5)-082117	R6-4(0-4)-082117	R6-4(4-9.5)-082117	Soil Reference Concentrations ^A
Sample Date	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/21/2017	8/21/2017	8/21/2017	8/21/2017	8/21/2017	
Location ID	R6-1	R6-1	R6-2	R6-2	R6-3	R6-3	R6-3	R6-4	R6-4	
Depth	0 - 4	4 - 9.5	0 - 4	4 - 9.5	0 - 4	0 - 4	4 - 9.5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	2386V-6	
SPLP Metals (mg/l)										
Arsenic, SPLP	0.024 J	ND	0.024 J	ND	0.012 J	0.015 J	ND	0.022 J	ND	0.05
Barium, SPLP	0.54	0.36 J	0.54	0.22 J	0.43 J	0.45 J	0.22 J	0.54	0.28 J	2
Beryllium, SPLP	0.0058	0.004	0.0055	ND	ND	ND	ND	0.0043	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.14	0.1	0.14	0.046	0.09	0.087	0.039	0.13	0.069	0.1
Cobalt, SPLP	0.031	0.023 J	0.03	ND	0.018 J	0.018 J	ND	0.027	0.012 J	1
Copper, SPLP	0.16	0.097	0.13	0.056	0.1	0.1	0.043 J	0.16	0.069	0.65
Iron, SPLP	120	71	130	38 J+	68	68	27	96	50	5
Lead, SPLP	0.052	0.036	0.051	0.018	0.073 J	0.056 J	0.015	0.053	0.021	0.0075
Manganese, SPLP	0.71	0.54	1	0.25	0.54	0.53	0.25	0.72	0.3	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.12	0.077	0.14	0.038	0.066	0.062	0.027	0.099	0.044	0.1
Zinc, SPLP	0.24 J	0.15 J	0.25 J	0.14 J	0.26 J	0.25 J	0.084 J	0.26 J	0.096 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

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: 500-132889-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:

8/30/2017 4:56:25 PM

Richard Wright, Senior Project Manager

(708)534-5200

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

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

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

- 1
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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(0-4)-081817

Lab Sample ID: 500-132889-6

Date Collected: 08/18/17 14:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.4	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Benzene	<1.5		1.5	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Carbon disulfide	<3.7		3.7	0.76	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Carbon tetrachloride	<1.5		1.5	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Chloroethane	<3.7 *		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,2-Dichloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,1-Dichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,3-Dichloropropene, Total	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Ethylbenzene	<1.5		1.5	0.70	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
2-Hexanone	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Methylene Chloride	<3.7		3.7	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Styrene	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
trans-1,2-Dichloroethene	<1.5		1.5	0.65	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
trans-1,3-Dichloropropene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
1,1,2-Trichloroethane	<1.5		1.5	0.63	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Trichloroethene	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Vinyl chloride	<1.5		1.5	0.65	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/19/17 12:20	08/23/17 19:16	1
Dibromofluoromethane	104		75 - 126	08/19/17 12:20	08/23/17 19:16	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	08/19/17 12:20	08/23/17 19:16	1
Toluene-d8 (Surr)	100		75 - 124	08/19/17 12:20	08/23/17 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(0-4)-081817

Lab Sample ID: 500-132889-6

Date Collected: 08/18/17 14:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,4-Dinitrophenol	<740	*	740	640	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Bis(2-ethylhexyl) phthalate	110	J	180	67	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Carbazole	<180		180	91	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Chrysene	<36		36	10	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(0-4)-081817

Lab Sample ID: 500-132889-6

Date Collected: 08/18/17 14:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Isophorone	<180		180	41	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Phenol	<180		180	81	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Pyrene	<36		36	7.3	ug/Kg	☼	08/29/17 16:11	08/30/17 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	49		25 - 139				08/29/17 16:11	08/30/17 13:55	1
2-Fluorobiphenyl	73		44 - 121				08/29/17 16:11	08/30/17 13:55	1
2-Fluorophenol	81		46 - 133				08/29/17 16:11	08/30/17 13:55	1
Nitrobenzene-d5	73		41 - 120				08/29/17 16:11	08/30/17 13:55	1
Phenol-d5	70		46 - 125				08/29/17 16:11	08/30/17 13:55	1
Terphenyl-d14	78		35 - 160				08/29/17 16:11	08/30/17 13:55	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Barium	0.27	J	0.50	0.050	mg/L		08/23/17 09:19	08/24/17 00:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/24/17 00:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/24/17 00:00	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/24/17 00:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/24/17 00:00	1
Manganese	0.39		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/24/17 00:00	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:00	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/24/17 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Barium	0.54		0.50	0.050	mg/L		08/23/17 09:31	08/24/17 03:11	1
Beryllium	0.0058		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 03:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 03:11	1
Chromium	0.14		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Cobalt	0.031		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Copper	0.16		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Iron	120		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 03:11	1
Lead	0.052		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 03:11	1
Manganese	0.71		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Nickel	0.12		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 03:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(0-4)-081817

Lab Sample ID: 500-132889-6

Date Collected: 08/18/17 14:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:11	1
Zinc	0.24	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 03:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Arsenic	2.3		0.54	0.18	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Barium	30		0.54	0.061	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Beryllium	0.33		0.21	0.050	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Cadmium	0.090	J B	0.11	0.019	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Calcium	130000	B	110	18	mg/Kg	☼	08/23/17 11:29	08/24/17 13:35	10
Chromium	9.7		0.54	0.27	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Cobalt	4.9		0.27	0.070	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Copper	12		0.54	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Iron	9000		11	5.6	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Lead	6.0		0.27	0.12	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Magnesium	36000		5.4	2.7	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Manganese	190		0.54	0.078	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Nickel	12		0.54	0.16	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Potassium	1200		27	9.5	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Sodium	1200		54	7.9	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Vanadium	14		0.27	0.063	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	1
Zinc	20		1.1	0.47	mg/Kg	☼	08/23/17 11:29	08/23/17 20:23	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		08/22/17 13:00	08/23/17 09:53	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		08/22/17 13:00	08/23/17 09:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	5.7	ug/Kg	☼	08/23/17 10:00	08/23/17 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/23/17 08:44	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(4-9.5)-081817

Lab Sample ID: 500-132889-7

Date Collected: 08/18/17 14:05

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.4	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Chloroethane	<3.7 *		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/19/17 12:20	08/23/17 19:41	1
Dibromofluoromethane	104		75 - 126	08/19/17 12:20	08/23/17 19:41	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/19/17 12:20	08/23/17 19:41	1
Toluene-d8 (Surr)	98		75 - 124	08/19/17 12:20	08/23/17 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(4-9.5)-081817

Lab Sample ID: 500-132889-7

Date Collected: 08/18/17 14:05

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,4-Dinitrophenol	<740	*	740	650	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Bis(2-ethylhexyl) phthalate	190		190	67	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Carbazole	<190		190	92	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Chrysene	<37		37	10	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(4-9.5)-081817

Lab Sample ID: 500-132889-7

Date Collected: 08/18/17 14:05

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Isophorone	<190		190	41	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Phenol	<190		190	82	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Pyrene	<37		37	7.3	ug/Kg	☼	08/29/17 16:11	08/30/17 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	44		25 - 139				08/29/17 16:11	08/30/17 14:21	1
2-Fluorobiphenyl	76		44 - 121				08/29/17 16:11	08/30/17 14:21	1
2-Fluorophenol	80		46 - 133				08/29/17 16:11	08/30/17 14:21	1
Nitrobenzene-d5	72		41 - 120				08/29/17 16:11	08/30/17 14:21	1
Phenol-d5	70		46 - 125				08/29/17 16:11	08/30/17 14:21	1
Terphenyl-d14	80		35 - 160				08/29/17 16:11	08/30/17 14:21	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Barium	0.27	J	0.50	0.050	mg/L		08/23/17 09:19	08/24/17 00:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/24/17 00:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/24/17 00:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Copper	0.015	J	0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/24/17 00:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/24/17 00:04	1
Manganese	0.93		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/24/17 00:04	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:04	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/24/17 00:04	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		08/23/17 09:31	08/24/17 03:15	1
Barium	0.36	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 03:15	1
Beryllium	0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 03:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 03:15	1
Chromium	0.10		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:15	1
Cobalt	0.023	J	0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:15	1
Copper	0.097		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:15	1
Iron	71		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 03:15	1
Lead	0.036		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 03:15	1
Manganese	0.54		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:15	1
Nickel	0.077		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:15	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 03:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-1(4-9.5)-081817

Lab Sample ID: 500-132889-7

Date Collected: 08/18/17 14:05

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:15	1
Zinc	0.15	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 03:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Arsenic	1.9		0.56	0.19	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Barium	27		0.56	0.064	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Beryllium	0.33		0.23	0.053	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Cadmium	0.096	J B	0.11	0.020	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Calcium	110000	B	110	19	mg/Kg	☼	08/23/17 11:29	08/24/17 13:39	10
Chromium	9.8		0.56	0.28	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Cobalt	3.8		0.28	0.074	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Copper	11		0.56	0.16	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Iron	8000		11	5.9	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Lead	4.0		0.28	0.13	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Magnesium	33000		5.6	2.8	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Manganese	150		0.56	0.082	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Nickel	10		0.56	0.16	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Potassium	1200		28	10	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Sodium	410		56	8.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Vanadium	14		0.28	0.066	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1
Zinc	19		1.1	0.49	mg/Kg	☼	08/23/17 11:29	08/23/17 20:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	16	5.5	ug/Kg	☼	08/23/17 10:00	08/23/17 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 08:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(0-4)-081817

Lab Sample ID: 500-132889-8

Date Collected: 08/18/17 14:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Carbon disulfide	<3.7		3.7	0.78	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Chloroethane	<3.7 *		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Methyl Ethyl Ketone	<3.7		3.7	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/19/17 12:20	08/23/17 20:06	1
Dibromofluoromethane	102		75 - 126	08/19/17 12:20	08/23/17 20:06	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	08/19/17 12:20	08/23/17 20:06	1
Toluene-d8 (Surr)	99		75 - 124	08/19/17 12:20	08/23/17 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(0-4)-081817

Lab Sample ID: 500-132889-8

Date Collected: 08/18/17 14:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	88	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Anthracene	<39		39	6.5	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Benzo[g,h,i]perylene	<39		39	12	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Bis(2-ethylhexyl) phthalate	91	J	190	71	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Carbazole	<190		190	97	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Chrysene	<39		39	11	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Fluorene	<39		39	5.4	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/29/17 16:11	08/30/17 14:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(0-4)-081817

Lab Sample ID: 500-132889-8

Date Collected: 08/18/17 14:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Isophorone	<190		190	44	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Naphthalene	<39		39	6.0	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Nitrobenzene	<39		39	9.7	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Pentachlorophenol	<780		780	620	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Phenanthrene	<39		39	5.4	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Phenol	<190		190	86	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Pyrene	<39		39	7.7	ug/Kg	*	08/29/17 16:11	08/30/17 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	38		25 - 139				08/29/17 16:11	08/30/17 14:48	1
2-Fluorobiphenyl	80		44 - 121				08/29/17 16:11	08/30/17 14:48	1
2-Fluorophenol	87		46 - 133				08/29/17 16:11	08/30/17 14:48	1
Nitrobenzene-d5	78		41 - 120				08/29/17 16:11	08/30/17 14:48	1
Phenol-d5	71		46 - 125				08/29/17 16:11	08/30/17 14:48	1
Terphenyl-d14	84		35 - 160				08/29/17 16:11	08/30/17 14:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Barium	0.38	J	0.50	0.050	mg/L		08/23/17 09:19	08/24/17 00:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/24/17 00:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/24/17 00:08	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/24/17 00:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/24/17 00:08	1
Manganese	1.8		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/24/17 00:08	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:08	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/24/17 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Barium	0.54		0.50	0.050	mg/L		08/23/17 09:31	08/24/17 03:19	1
Beryllium	0.0055		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 03:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 03:19	1
Chromium	0.14		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Cobalt	0.030		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Copper	0.13		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Iron	130		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 03:19	1
Lead	0.051		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 03:19	1
Manganese	1.0		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Nickel	0.14		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 03:19	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(0-4)-081817

Lab Sample ID: 500-132889-8

Date Collected: 08/18/17 14:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:19	1
Zinc	0.25	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 03:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.94		0.94	0.18	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Arsenic	3.3		0.47	0.16	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Barium	45		0.47	0.053	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Beryllium	0.43		0.19	0.044	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Cadmium	0.13	B	0.094	0.017	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Calcium	28000	B	9.4	1.6	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Chromium	13		0.47	0.23	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Cobalt	6.4		0.23	0.061	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Copper	13		0.47	0.13	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Iron	12000		9.4	4.9	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Lead	7.3		0.23	0.11	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Magnesium	19000		4.7	2.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Manganese	240		0.47	0.068	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Nickel	17		0.47	0.14	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Potassium	1200		23	8.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Selenium	<0.47		0.47	0.28	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Silver	<0.23		0.23	0.060	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Sodium	730		47	6.9	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Vanadium	24		0.23	0.055	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1
Zinc	29		0.94	0.41	mg/Kg	☼	08/23/17 11:29	08/23/17 20:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		19	6.2	ug/Kg	☼	08/23/17 10:00	08/23/17 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/23/17 08:48	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(4-9.5)-081817

Lab Sample ID: 500-132889-9

Date Collected: 08/18/17 14:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Carbon disulfide	<3.9		3.9	0.80	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Chloroethane	<3.9 *		3.9	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Dibromochloromethane	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/19/17 12:20	08/23/17 20:31	1
Dibromofluoromethane	105		75 - 126	08/19/17 12:20	08/23/17 20:31	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/19/17 12:20	08/23/17 20:31	1
Toluene-d8 (Surr)	98		75 - 124	08/19/17 12:20	08/23/17 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(4-9.5)-081817

Lab Sample ID: 500-132889-9

Date Collected: 08/18/17 14:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,4-Dinitrophenol	<740	*	740	640	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Bis(2-ethylhexyl) phthalate	93	J	180	67	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Carbazole	<180		180	91	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Chrysene	<36		36	10	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/29/17 16:11	08/30/17 15:15	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(4-9.5)-081817

Lab Sample ID: 500-132889-9

Date Collected: 08/18/17 14:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Isophorone	<180		180	41	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Naphthalene	<36		36	5.6	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Nitrobenzene	<36		36	9.1	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Pentachlorophenol	<740		740	590	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Phenanthrene	<36		36	5.1	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Phenol	<180		180	81	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Pyrene	<36		36	7.3	ug/Kg	*	08/29/17 16:11	08/30/17 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	26		25 - 139				08/29/17 16:11	08/30/17 15:15	1
2-Fluorobiphenyl	75		44 - 121				08/29/17 16:11	08/30/17 15:15	1
2-Fluorophenol	77		46 - 133				08/29/17 16:11	08/30/17 15:15	1
Nitrobenzene-d5	74		41 - 120				08/29/17 16:11	08/30/17 15:15	1
Phenol-d5	71		46 - 125				08/29/17 16:11	08/30/17 15:15	1
Terphenyl-d14	80		35 - 160				08/29/17 16:11	08/30/17 15:15	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		08/23/17 09:19	08/24/17 00:12	1
Barium	0.30	J	0.50	0.050	mg/L		08/23/17 09:19	08/24/17 00:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:19	08/24/17 00:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:19	08/24/17 00:12	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:12	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:12	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:12	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:19	08/24/17 00:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:19	08/24/17 00:12	1
Manganese	0.64		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:12	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:12	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:19	08/24/17 00:12	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:19	08/24/17 00:12	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:19	08/24/17 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Barium	0.22	J	0.50	0.050	mg/L		08/23/17 09:31	08/24/17 03:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:31	08/24/17 03:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:31	08/24/17 03:22	1
Chromium	0.046		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Copper	0.056		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Iron	38		0.40	0.20	mg/L		08/23/17 09:31	08/24/17 03:22	1
Lead	0.018		0.0075	0.0075	mg/L		08/23/17 09:31	08/24/17 03:22	1
Manganese	0.25		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Nickel	0.038		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:31	08/24/17 03:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Client Sample ID: R6-2(4-9.5)-081817

Lab Sample ID: 500-132889-9

Date Collected: 08/18/17 14:35

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:31	08/24/17 03:22	1
Zinc	0.14	J	0.50	0.020	mg/L		08/23/17 09:31	08/24/17 03:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0	F1	1.0	0.20	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Arsenic	1.8		0.51	0.17	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Barium	33		0.51	0.058	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Beryllium	0.39		0.20	0.047	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Cadmium	0.12	B	0.10	0.018	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Calcium	120000	B	100	17	mg/Kg	☼	08/23/17 11:29	08/24/17 13:43	10
Chromium	11	F1	0.51	0.25	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Cobalt	6.0		0.25	0.066	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Copper	14		0.51	0.14	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Iron	9500		10	5.3	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Lead	4.5		0.25	0.12	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Magnesium	33000		5.1	2.5	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Manganese	200		0.51	0.073	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Nickel	14		0.51	0.15	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Potassium	1500	F1	25	9.0	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Selenium	<0.51	F1	0.51	0.30	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Silver	<0.25		0.25	0.065	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Sodium	450		51	7.5	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Thallium	<0.51	F1	0.51	0.25	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Vanadium	16	F1	0.25	0.060	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1
Zinc	25		1.0	0.44	mg/Kg	☼	08/23/17 11:29	08/23/17 20:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 09:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.20	0.20	SU			08/23/17 08:51	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132889-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132889-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.1



500-132889 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 900-132889
Chain of Custody Number: _____
Page 1 of 1
Temperature °C of Cooler: 3.2/2.6/2.4

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Parameter		Parameter						
Project Location/State		Lab Project #		Parameter		Parameter						
Sampler		Lab PM		Parameter		Parameter						
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SLP Metals	pH	Comments
1		VL-4(6-12)-081817	8/18/17	1255	5	S	X	X	X	X	X	
2		VL-5(0-6)-081817		1320								
3		VL-5(6-12)-081817		1325								
4		VL-6(0-6)-081817		1335								
5		VL-6(6-12)-081817		1340								
6		Rb-1(0-4)-081817		1400								
7		Rb-1(4-9.5)-081817		1405								
8		Rb-2(0-4)-081817		1425								
9		Rb-2(4-9.5)-081817	8/19/17	1435	5	S	X	X	X	X	X	
★ ★ LAST ITEM ★ ★												MOS

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

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

Relinquished By: <u>M. DeLuca</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>L. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1455</u>	Lab Courier: <u>TR</u>
Relinquished By: <u>L. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1657</u>	Received By: <u>Shirley</u> Company: <u>TA-CRT</u> Date: <u>8/19/17</u> Time: <u>0800</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-132931-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/30/2017 3:35:06 PM

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

LINKS

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results through
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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117

Lab Sample ID: 500-132931-1

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22		16	6.8	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Carbon disulfide	<3.9		3.9	0.82	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/22/17 08:15	08/24/17 13:06	1
Dibromofluoromethane	100		75 - 126	08/22/17 08:15	08/24/17 13:06	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/22/17 08:15	08/24/17 13:06	1
Toluene-d8 (Surr)	96		75 - 124	08/22/17 08:15	08/24/17 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,2'-oxybis[1-chloropropane]	<180	* F1	180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117

Lab Sample ID: 500-132931-1

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,4-Dinitrophenol	<740	F1	740	640	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
3-Nitroaniline	<360	F1	360	110	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4,6-Dinitro-2-methylphenol	<740	F1	740	290	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4-Nitroaniline	<360	F1	360	150	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Anthracene	7.9	J	36	6.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Benzo[a]anthracene	35	J	36	4.9	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Benzo[a]pyrene	35	J	36	7.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Benzo[b]fluoranthene	67	F1	36	7.9	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Benzo[g,h,i]perylene	23	J F1	36	12	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Benzo[k]fluoranthene	24	J F1	36	11	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Bis(2-ethylhexyl) phthalate	<180	F1	180	67	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Butyl benzyl phthalate	<180	F1	180	69	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Carbazole	<180		180	91	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Chrysene	60		36	10	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Dibenz(a,h)anthracene	<36	F1	36	7.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Fluoranthene	110		36	6.8	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Hexachlorocyclopentadiene	<740	F1	740	210	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117

Lab Sample ID: 500-132931-1

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.8

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	15	J	36	9.5	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Isophorone	<180		180	41	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Pentachlorophenol	<740	F1	740	590	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Phenanthrene	42		36	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Phenol	<180		180	81	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Pyrene	110		36	7.3	ug/Kg	☼	08/28/17 07:17	08/29/17 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		25 - 139				08/28/17 07:17	08/29/17 19:04	1
2-Fluorobiphenyl	68		44 - 121				08/28/17 07:17	08/29/17 19:04	1
2-Fluorophenol	104		46 - 133				08/28/17 07:17	08/29/17 19:04	1
Nitrobenzene-d5	63		41 - 120				08/28/17 07:17	08/29/17 19:04	1
Phenol-d5	91		46 - 125				08/28/17 07:17	08/29/17 19:04	1
Terphenyl-d14	99		35 - 160				08/28/17 07:17	08/29/17 19:04	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		08/24/17 09:57	08/24/17 22:07	1
Barium	0.36	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:07	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:07	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:07	1
Copper	0.044	J B	0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:07	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:07	1
Manganese	1.8		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:07	1
Nickel	0.016	J	0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:07	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:07	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:07	1
Zinc	0.041	J B	0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Barium	0.43	J	0.50	0.050	mg/L		08/25/17 11:07	08/26/17 16:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 16:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 16:59	1
Chromium	0.090		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Copper	0.10		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Iron	68		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 16:59	1
Lead	0.073		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 16:59	1
Manganese	0.54		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Nickel	0.066		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 16:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117

Lab Sample ID: 500-132931-1

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 16:59	1
Zinc	0.26	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 16:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J F1	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Arsenic	2.4	F1	0.54	0.18	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Barium	32		0.54	0.061	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Beryllium	0.35		0.21	0.050	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Cadmium	0.15	B	0.11	0.019	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Calcium	70000	B	110	18	mg/Kg	☼	08/25/17 12:11	08/28/17 12:58	10
Chromium	10		0.54	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Cobalt	5.0		0.27	0.070	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Copper	12	F1	0.54	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Iron	8900	B	11	5.6	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Lead	21	F1 F2	0.27	0.12	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Magnesium	31000		5.4	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Manganese	210		0.54	0.078	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Nickel	12		0.54	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Potassium	990	F1	27	9.5	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Selenium	<0.54	F1	0.54	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 13:01	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Sodium	620	B F1 F2	54	7.9	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Vanadium	17		0.27	0.063	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1
Zinc	45	F1 F2	1.1	0.47	mg/Kg	☼	08/25/17 12:11	08/26/17 14:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		17	5.8	ug/Kg	☼	08/24/17 08:25	08/24/17 10:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/23/17 08:58	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117D

Lab Sample ID: 500-132931-2

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19		17	7.5	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	08/22/17 08:15	08/24/17 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	08/22/17 08:15	08/24/17 13:31	1
Dibromofluoromethane	101		75 - 126	08/22/17 08:15	08/24/17 13:31	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	08/22/17 08:15	08/24/17 13:31	1
Toluene-d8 (Surr)	97		75 - 124	08/22/17 08:15	08/24/17 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,2'-oxybis[1-chloropropane]	<180	*	180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117D

Lab Sample ID: 500-132931-2

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Benzo[a]anthracene	7.4 J		36	4.9	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Benzo[a]pyrene	10 J		36	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Benzo[b]fluoranthene	15 J		36	7.8	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Benzo[g,h,i]perylene	12 J		36	12	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Carbazole	<180		180	90	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Chrysene	12 J		36	9.9	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Fluoranthene	15 J		36	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117D

Lab Sample ID: 500-132931-2

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Isophorone	<180		180	41	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Naphthalene	9.8	J	36	5.6	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Phenanthrene	8.0	J	36	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Phenol	<180		180	80	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Pyrene	17	J	36	7.2	ug/Kg	☼	08/28/17 07:17	08/29/17 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	43		25 - 139				08/28/17 07:17	08/29/17 17:06	1
2-Fluorobiphenyl	82		44 - 121				08/28/17 07:17	08/29/17 17:06	1
2-Fluorophenol	111		46 - 133				08/28/17 07:17	08/29/17 17:06	1
Nitrobenzene-d5	79		41 - 120				08/28/17 07:17	08/29/17 17:06	1
Phenol-d5	92		46 - 125				08/28/17 07:17	08/29/17 17:06	1
Terphenyl-d14	83		35 - 160				08/28/17 07:17	08/29/17 17:06	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Barium	0.40	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:11	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Copper	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:11	1
Manganese	2.2		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Nickel	0.015	J	0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:11	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:11	1
Zinc	0.034	J B	0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Barium	0.45	J	0.50	0.050	mg/L		08/25/17 11:07	08/26/17 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 17:03	1
Chromium	0.087		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Copper	0.10		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Iron	68		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 17:03	1
Lead	0.056		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 17:03	1
Manganese	0.53		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Nickel	0.062		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 17:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(0-4)-082117D

Lab Sample ID: 500-132931-2

Date Collected: 08/21/17 08:15

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:03	1
Zinc	0.25	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 17:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.62	J	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Arsenic	1.9		0.55	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Barium	36		0.55	0.063	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Beryllium	0.40		0.22	0.052	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Cadmium	0.084	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Calcium	90000	B	110	19	mg/Kg	☼	08/25/17 12:11	08/28/17 13:26	10
Chromium	11		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Cobalt	5.7		0.28	0.072	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Copper	12		0.55	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Iron	9500	B	11	5.7	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Lead	4.7		0.28	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Magnesium	35000		5.5	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Manganese	340		0.55	0.080	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Nickel	17		0.55	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Potassium	1300		28	9.8	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 13:21	1
Silver	<0.28		0.28	0.071	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Sodium	370	B	55	8.2	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Vanadium	17		0.28	0.065	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	1
Zinc	24		1.1	0.48	mg/Kg	☼	08/25/17 12:11	08/26/17 14:55	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		08/24/17 13:15	08/25/17 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		08/24/17 13:15	08/25/17 11:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		19	6.2	ug/Kg	☼	08/24/17 08:25	08/24/17 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.20	0.20	SU			08/23/17 09:01	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(4-9.5)-082117

Lab Sample ID: 500-132931-3

Date Collected: 08/21/17 08:20

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.3	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Benzene	<1.5		1.5	0.37	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Bromoform	<1.5		1.5	0.42	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Carbon disulfide	<3.6		3.6	0.76	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Carbon tetrachloride	<1.5		1.5	0.42	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Chloroform	<1.5		1.5	0.50	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Chloromethane	<3.6		3.6	1.5	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,1-Dichloroethene	<1.5		1.5	0.50	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,3-Dichloropropene, Total	<1.5		1.5	0.51	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Ethylbenzene	<1.5		1.5	0.70	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Styrene	<1.5		1.5	0.44	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.46	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Toluene	<1.5		1.5	0.37	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
trans-1,2-Dichloroethene	<1.5		1.5	0.64	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
trans-1,3-Dichloropropene	<1.5		1.5	0.51	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
1,1,2-Trichloroethane	<1.5		1.5	0.62	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Trichloroethene	<1.5		1.5	0.49	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Vinyl chloride	<1.5		1.5	0.64	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	*	08/22/17 08:15	08/24/17 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	08/22/17 08:15	08/24/17 13:56	1
Dibromofluoromethane	100		75 - 126	08/22/17 08:15	08/24/17 13:56	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	08/22/17 08:15	08/24/17 13:56	1
Toluene-d8 (Surr)	94		75 - 124	08/22/17 08:15	08/24/17 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	08/28/17 07:17	08/29/17 12:12	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	08/28/17 07:17	08/29/17 12:12	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	08/28/17 07:17	08/29/17 12:12	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	08/28/17 07:17	08/29/17 12:12	1
2,2'-oxybis[1-chloropropane]	<180	*	180	42	ug/Kg	*	08/28/17 07:17	08/29/17 12:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(4-9.5)-082117

Lab Sample ID: 500-132931-3

Date Collected: 08/21/17 08:20

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2-Methylnaphthalene	<73		73	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Carbazole	<180		180	91	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Chrysene	<36		36	9.9	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(4-9.5)-082117

Lab Sample ID: 500-132931-3

Date Collected: 08/21/17 08:20

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Isophorone	<180		180	41	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Phenol	<180		180	81	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Pyrene	<36		36	7.2	ug/Kg	☼	08/28/17 07:17	08/29/17 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		25 - 139				08/28/17 07:17	08/29/17 12:12	1
2-Fluorobiphenyl	81		44 - 121				08/28/17 07:17	08/29/17 12:12	1
2-Fluorophenol	109		46 - 133				08/28/17 07:17	08/29/17 12:12	1
Nitrobenzene-d5	81		41 - 120				08/28/17 07:17	08/29/17 12:12	1
Phenol-d5	91		46 - 125				08/28/17 07:17	08/29/17 12:12	1
Terphenyl-d14	93		35 - 160				08/28/17 07:17	08/29/17 12:12	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		08/24/17 09:57	08/24/17 22:15	1
Barium	0.29	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:15	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:15	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:15	1
Copper	<0.050		0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:15	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:15	1
Manganese	0.90		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:15	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:15	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:15	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:15	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Barium	0.22	J	0.50	0.050	mg/L		08/25/17 11:07	08/26/17 17:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 17:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 17:06	1
Chromium	0.039		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Copper	0.043	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Iron	27		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 17:06	1
Lead	0.015		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 17:06	1
Manganese	0.25		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Nickel	0.027		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 17:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-3(4-9.5)-082117

Lab Sample ID: 500-132931-3

Date Collected: 08/21/17 08:20

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:06	1
Zinc	0.084	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 17:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Arsenic	2.0		0.54	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Barium	28		0.54	0.062	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Beryllium	0.40		0.22	0.051	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Cadmium	0.071	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Calcium	95000	B	110	18	mg/Kg	☼	08/25/17 12:11	08/28/17 13:30	10
Chromium	11		0.54	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Cobalt	5.9		0.27	0.071	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Copper	12		0.54	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Iron	9600	B	11	5.7	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Lead	5.0		0.27	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Magnesium	35000		5.4	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Manganese	200		0.54	0.079	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Nickel	14		0.54	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Potassium	1300		27	9.6	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 13:25	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Sodium	320	B	54	8.1	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Vanadium	16		0.27	0.064	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1
Zinc	24		1.1	0.48	mg/Kg	☼	08/25/17 12:11	08/26/17 14:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	5.7	ug/Kg	☼	08/24/17 08:25	08/24/17 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 09:03	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(0-4)-082117

Lab Sample ID: 500-132931-4

Date Collected: 08/21/17 08:35

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.6	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/22/17 08:15	08/24/17 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/22/17 08:15	08/24/17 14:21	1
Dibromofluoromethane	102		75 - 126	08/22/17 08:15	08/24/17 14:21	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	08/22/17 08:15	08/24/17 14:21	1
Toluene-d8 (Surr)	96		75 - 124	08/22/17 08:15	08/24/17 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,2'-oxybis[1-chloropropane]	<190	*	190	43	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(0-4)-082117

Lab Sample ID: 500-132931-4

Date Collected: 08/21/17 08:35

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Carbazole	<190		190	94	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Chrysene	<37		37	10	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(0-4)-082117

Lab Sample ID: 500-132931-4

Date Collected: 08/21/17 08:35

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Isophorone	<190		190	42	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Phenol	<190		190	83	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/28/17 07:17	08/29/17 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		25 - 139	08/28/17 07:17	08/29/17 12:41	1
2-Fluorobiphenyl	86		44 - 121	08/28/17 07:17	08/29/17 12:41	1
2-Fluorophenol	110		46 - 133	08/28/17 07:17	08/29/17 12:41	1
Nitrobenzene-d5	83		41 - 120	08/28/17 07:17	08/29/17 12:41	1
Phenol-d5	97		46 - 125	08/28/17 07:17	08/29/17 12:41	1
Terphenyl-d14	100		35 - 160	08/28/17 07:17	08/29/17 12:41	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		08/24/17 09:57	08/24/17 22:19	1
Barium	0.51		0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:19	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:19	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:19	1
Copper	0.025	J B	0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:19	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:19	1
Manganese	0.58		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:19	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:19	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:19	1
Zinc	0.020	J B	0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Barium	0.54		0.50	0.050	mg/L		08/25/17 11:07	08/26/17 17:10	1
Beryllium	0.0043		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 17:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 17:10	1
Chromium	0.13		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Cobalt	0.027		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Copper	0.16		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Iron	96		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 17:10	1
Lead	0.053		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 17:10	1
Manganese	0.72		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Nickel	0.099		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 17:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(0-4)-082117

Lab Sample ID: 500-132931-4

Date Collected: 08/21/17 08:35

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:10	1
Zinc	0.26	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 17:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Arsenic	2.2		0.55	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Barium	36		0.55	0.063	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Beryllium	0.41		0.22	0.051	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Cadmium	0.072	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Calcium	93000	B	110	19	mg/Kg	☼	08/25/17 12:11	08/28/17 13:34	10
Chromium	11		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Cobalt	5.9		0.27	0.072	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Copper	13		0.55	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Iron	10000	B	11	5.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Lead	5.5		0.27	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Magnesium	35000		5.5	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Manganese	240		0.55	0.080	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Nickel	15		0.55	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Potassium	1200		27	9.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 13:29	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Sodium	2100	B	55	8.1	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Vanadium	16		0.27	0.065	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1
Zinc	27		1.1	0.48	mg/Kg	☼	08/25/17 12:11	08/26/17 15:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 11:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	20		17	5.8	ug/Kg	☼	08/24/17 08:25	08/24/17 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 09:05	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(4-9.5)-082117

Lab Sample ID: 500-132931-5

Date Collected: 08/21/17 08:40

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Benzene	<1.5		1.5	0.40	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Bromodichloromethane	<1.5		1.5	0.32	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Dibromochloromethane	<1.5		1.5	0.51	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
trans-1,2-Dichloroethene	<1.5		1.5	0.69	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Vinyl chloride	<1.5		1.5	0.69	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/22/17 08:15	08/24/17 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/22/17 08:15	08/24/17 14:46	1
Dibromofluoromethane	99		75 - 126	08/22/17 08:15	08/24/17 14:46	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	08/22/17 08:15	08/24/17 14:46	1
Toluene-d8 (Surr)	96		75 - 124	08/22/17 08:15	08/24/17 14:46	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	☼	08/28/17 07:17	08/29/17 13:11	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,2'-oxybis[1-chloropropane]	<180	*	180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(4-9.5)-082117

Lab Sample ID: 500-132931-5

Date Collected: 08/21/17 08:40

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Benzo[a]anthracene	<36		36	4.8	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Benzo[a]pyrene	<36		36	6.9	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Benzo[b]fluoranthene	<36		36	7.7	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Carbazole	<180		180	89	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Chrysene	<36		36	9.8	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Fluoranthene	<36		36	6.6	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Fluorene	<36		36	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(4-9.5)-082117

Lab Sample ID: 500-132931-5

Date Collected: 08/21/17 08:40

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Isophorone	<180		180	40	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Naphthalene	<36		36	5.5	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Phenol	<180		180	80	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1
Pyrene	<36		36	7.1	ug/Kg	☼	08/28/17 07:17	08/29/17 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		25 - 139	08/28/17 07:17	08/29/17 13:11	1
2-Fluorobiphenyl	71		44 - 121	08/28/17 07:17	08/29/17 13:11	1
2-Fluorophenol	99		46 - 133	08/28/17 07:17	08/29/17 13:11	1
Nitrobenzene-d5	70		41 - 120	08/28/17 07:17	08/29/17 13:11	1
Phenol-d5	86		46 - 125	08/28/17 07:17	08/29/17 13:11	1
Terphenyl-d14	93		35 - 160	08/28/17 07:17	08/29/17 13:11	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		08/24/17 09:57	08/24/17 22:23	1
Barium	0.32	J	0.50	0.050	mg/L		08/24/17 09:57	08/24/17 22:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:57	08/24/17 22:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:57	08/24/17 22:23	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:23	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:23	1
Copper	0.014	J B	0.050	0.010	mg/L		08/24/17 09:57	08/24/17 22:23	1
Iron	<0.40		0.40	0.20	mg/L		08/24/17 09:57	08/24/17 22:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:57	08/24/17 22:23	1
Manganese	0.64		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:23	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:23	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:57	08/24/17 22:23	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:57	08/24/17 22:23	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/17 09:57	08/24/17 22:23	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		08/25/17 11:07	08/26/17 17:14	1
Barium	0.28	J	0.50	0.050	mg/L		08/25/17 11:07	08/26/17 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/17 11:07	08/26/17 17:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/17 11:07	08/26/17 17:14	1
Chromium	0.069		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:14	1
Cobalt	0.012	J	0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:14	1
Copper	0.069		0.050	0.010	mg/L		08/25/17 11:07	08/26/17 17:14	1
Iron	50		0.40	0.20	mg/L		08/25/17 11:07	08/26/17 17:14	1
Lead	0.021		0.0075	0.0075	mg/L		08/25/17 11:07	08/26/17 17:14	1
Manganese	0.30		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:14	1
Nickel	0.044		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:14	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/17 11:07	08/26/17 17:14	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Client Sample ID: R6-4(4-9.5)-082117

Lab Sample ID: 500-132931-5

Date Collected: 08/21/17 08:40

Matrix: Solid

Date Received: 08/21/17 16:55

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/17 11:07	08/26/17 17:14	1
Zinc	0.096	J	0.50	0.020	mg/L		08/25/17 11:07	08/26/17 17:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.1	0.21	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Arsenic	2.3		0.55	0.19	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Barium	29		0.55	0.062	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Beryllium	0.40		0.22	0.051	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Cadmium	0.072	J B	0.11	0.020	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Calcium	97000	B	110	19	mg/Kg	☼	08/25/17 12:11	08/28/17 13:38	10
Chromium	11		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Cobalt	5.5		0.27	0.072	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Copper	12		0.55	0.15	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Iron	10000	B	11	5.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Lead	5.2		0.27	0.13	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Magnesium	37000		5.5	2.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Manganese	210		0.55	0.079	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Nickel	14		0.55	0.16	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Potassium	1300		27	9.7	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/17 12:11	08/28/17 13:41	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Sodium	490	B	55	8.1	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Vanadium	16		0.27	0.065	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1
Zinc	24		1.1	0.48	mg/Kg	☼	08/25/17 12:11	08/26/17 15:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/17 13:15	08/25/17 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		08/24/17 13:15	08/25/17 11:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		17	5.7	ug/Kg	☼	08/24/17 08:25	08/24/17 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/23/17 09:08	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132931-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132931-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	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: Mundeville, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132931
Chain of Custody Number:
Page 1 of
Temperature °C of Cooler: 31/21/4/21/9

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Parameter		Parameter						
Project Location/State		Lab Project #		Parameter		Parameter						
Sampler		Lab PM		Parameter		Parameter						
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SICs	Total Metals	TOC/P/SRP Metals	pH	Comments
1		R6-3(0-4)-082117	8/21/17	0815	5	S	X	X	X	X	X	
2		R6-3(0-4)-082117D		0815								
3		R6-3(4-9.5)-082117		0820								
4		R6-4(0-4)-082117		0835								
5		R6-4(4.95)-082117		0840								
6		VL-7(0-6)-082117		0858								
7		VL-7(6-12)-082117		0903								
8		VL-8(0-6)-082117		0915								
9		VL-8(6-12)-082117		0920								
10		VL-8(6-12)-082117	8/21/17	0920	5	S	X	X	X	X	X	

Turnaround Time Required (Business Days)

Requested Due Date: 1 Day 2 Days 5 Days X 7 Days 10 Days 15 Days Other

Sample Disposal

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

Relinquished By: <u>M. Doherty</u> Company: <u>Weston</u> Date: <u>8/21/2017</u> Time: <u>1443</u>	Received By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1443</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1657</u>	Received By: <u>J. Smith</u> Company: <u>TA-CHE</u> Date: <u>8/22/17</u> Time: <u>0720</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional) S. Babesukumar
 Contact: S. Babesukumar
 Company: Weston Solutions Inc
 Address: 300 Plaza Circle, Ste 202
Mundeville, IL 60060
 Phone: 224-864-7200
224-864-7236
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-132931
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: 3, 1, 2, 4, 2, 9

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions Inc		02056.014.060.0030									
Project Name		Lab Project #		# of Containers		Matrix		Matrix		Comments	
IDOT 060 - US20 at Harmony Road											
Project Location/State		Lab Project #		Date		Time		Matrix		Comments	
Coral Township, IL											
Sampler		Lab PM		Date		Time		Matrix		Comments	
M. O'henny Skubic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	Total P&S Metals	pH
11		VL-9(6-6)-082117	8/21/17	1000	5	S	X	X	X	X	X
12		VL-9(6-8)-082117		1005							
13		VL-10(0-6)-082117		1020							
14		VL-10(6-12)-082117		1025							
15		VL-11(0-6)-082117		1040							
16		VL-11(6-12)-082117		1045							
17		VL-12(0-6)-082117		1100							
18		VL-12(6-12)-082117		1105							
19		VL-13(0-6)-082117		1123							
20		VL-13(6-12)-082117	8/21/17	1127	5	S	X	X	X	X	X

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/21/2017</u> Time: <u>1443</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1443</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/21/17</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRT</u> Date: <u>8/22/17</u> Time: <u>0720</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key

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

Client Comments: _____

Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

17100 block of Harmony Road and 11800 block of US 20, (ISGS Site No. 2386V-10)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160118558 Longitude: -88.525937834
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160118558 Longitude: -88.525937834

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 AL10-1 THROUGH AL10-4, AL10-6, AND AL10-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-10. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132824-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael Castillo, P.G.

Printed Name:

Michael Castillo
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

21 November 2017

Date:



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

Summary Table of ISGS Site No. 2386V-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	AL10-1(0-6.6)-081717	AL10-1(0-6.6)-081717D	AL10-2(0-6.6)-081717	AL10-3(0-6.6)-081717	AL10-4(0-6.6)-081717	AL10-6(0-6.6)-081717	AL10-7(0-6.6)-081717	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	
Location ID	AL10-1	AL10-1	AL10-2	AL10-3	AL10-4	AL10-6	AL10-7	
Depth	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	
ISGS Site No.	2386V-10	2386V-10	2386V-10	2386V-10	2386V-10	2386V-10	2386V-10	
Parameter								
Laboratory pH	8.4	8.4	9.0	8.3	8.5	8.9	8.9	<6.5; >9.0
VOCs (ug/kg)	No Exceedances							
SVOCs (ug/kg)								
Benzo(a)pyrene	63	93	ND	ND	49	68	ND	90 / 1300 / 2100
Total Metals (mg/kg)								
Antimony, Total	0.31 J	0.44 J	0.49 J	0.57 J	0.42 J	0.46 J	0.52 J	5
Arsenic, Total	3.7 J-	2.8	1.4	2.2	3.5	3.1	1.9	11.3 / 13.0
Barium, Total	59 J	51	36	37	43	41	29	1500
Beryllium, Total	0.55 J	0.5	0.35	0.4	0.45	0.49	0.38	22
Cadmium, Total	ND	ND	ND	ND	0.34 B	0.21 B	ND	5.2
Calcium, Total	35000 J	25000 J	170000 B	180000 B	10000 B	17000 B	150000 B	---
Chromium, Total	16 J	15	9.8	11	12	14	9.6	21
Cobalt, Total	7.6 J	5.4	4.7	5.2	5.5	6.5	5.6	20
Copper, Total	12 J	14	8.2	12	14	14	11	2900
Iron, Total	14000 J+	13000 B	8400 B	10000 B	12000 B	13000 B	9300 B	15000 / 15900
Lead, Total	29 J	34 J	4.5	11	73	74	6.9	107
Magnesium, Total	13000 J	15000 J	47000 B	30000 B	7200 B	11000 B	36000 B	325000
Manganese, Total	300 J-	170 B	150 B	220 B	210 B	210 B	200 B	630 / 636
Mercury, Total	0.047 J	0.019	0.011 J	0.024	0.028	0.016 J	0.014 J	0.89
Nickel, Total	16 J	16	11	15	14	16	14	100
Potassium, Total	910 J+	900	980	1100	860	740	960	---
Selenium, Total	ND	ND	ND	ND	ND	0.29 J	ND	1.3
Sodium, Total	1100 J-	830	600	1100	1100	710	650	---
Vanadium, Total	24 J	23	14	17	21	19	15	550
Zinc, Total	43 J	52 J	19	29	96	58	24	5100
TCLP Metals (mg/l)								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.44 J	0.44 J	0.38 J	0.51	0.36 J	0.31 J	0.3 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0021 J	ND	ND	ND	0.0042 J	0.0022 J	0.002 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	0.011 J	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.014	ND	ND	0.0075
Manganese, TCLP	0.55 J	0.47 J	0.15	4.1	0.24	0.049	0.25	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.01 J	ND	0.14	ND	0.1
Zinc, TCLP	0.039 J	0.026 J	ND	ND	0.15 J	0.16 J	ND	5

Summary Table of ISGS Site No. 2386V-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	AL10-1(0-6.6)-081717	AL10-1(0-6.6)-081717D	AL10-2(0-6.6)-081717	AL10-3(0-6.6)-081717	AL10-4(0-6.6)-081717	AL10-6(0-6.6)-081717	AL10-7(0-6.6)-081717	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	
Location ID	AL10-1	AL10-1	AL10-2	AL10-3	AL10-4	AL10-6	AL10-7	
Depth	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	0 - 6.6	
ISGS Site No.	2386V-10	2386V-10	2386V-10	2386V-10	2386V-10	2386V-10	2386V-10	
SPLP Metals (mg/l)								
Arsenic, SPLP	0.02 J	0.027 J	0.017 J	0.025 J	0.044 J	0.026 J	ND	0.05
Barium, SPLP	0.66	0.79	0.56	0.91	0.87	0.66	0.41 J	2
Beryllium, SPLP	0.0062	0.0072	0.0049	0.0085	0.0098	0.0066	ND	0.004
Cadmium, SPLP	0.0021 J	ND	ND	0.0023 J	0.0025 J	0.0022 J	ND	0.005
Chromium, SPLP	0.17	0.19	0.13	0.22	0.24	0.16	0.077	0.1
Cobalt, SPLP	0.028	0.032	0.023 J	0.059	0.046	0.031	0.016 J	1
Copper, SPLP	0.12 B	0.15 B	0.12 B	0.21 B	0.23 B	0.29 B	0.1 B	0.65
Iron, SPLP	130	160	98	180	210	130	64	5
Lead, SPLP	0.12	0.14	0.042	0.12	0.9	0.22	0.036	0.0075
Manganese, SPLP	0.7 J	0.87 J	0.52	2	1.4	0.92	0.45	0.15
Mercury, SPLP	ND	ND	ND	0.00032	0.00038	ND	ND	0.002
Nickel, SPLP	0.12	0.15	0.09	0.2	0.21	0.15	0.069	0.1
Zinc, SPLP	0.39 J	0.47 J	0.19 J	0.39 J	0.78	0.44 J	0.16 J	5

Notes:

- - not applicable or value not available.
- ^A - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.
- ND - Constituent not detected above the reporting limit.
- B - Constituent detected in the laboratory blank and investigative samples.
- 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: 500-132824-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 1:41:14 PM

Richard Wright, Senior Project Manager
(708)534-5200
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717

Lab Sample ID: 500-132824-1

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.4	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/18/17 08:00	08/23/17 01:37	1
Dibromofluoromethane	101		75 - 126	08/18/17 08:00	08/23/17 01:37	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/18/17 08:00	08/23/17 01:37	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717

Lab Sample ID: 500-132824-1

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,4-Dinitrophenol	<750	F1	750	660	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
3-Nitroaniline	<370	F1	370	120	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4,6-Dinitro-2-methylphenol	<750	F1	750	300	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4-Nitroaniline	<370	F1	370	160	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Anthracene	9.4	J	37	6.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Benzo[a]anthracene	49		37	5.0	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Benzo[a]pyrene	63		37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Benzo[b]fluoranthene	100	F1	37	8.0	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Benzo[g,h,i]perylene	36	J F1	37	12	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Benzo[k]fluoranthene	36	J F1	37	11	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Bis(2-chloroethyl)ether	<190	F2	190	56	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Bis(2-ethylhexyl) phthalate	<190	F1	190	68	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Butyl benzyl phthalate	<190	F1	190	71	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Chrysene	64		37	10	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Dibenz(a,h)anthracene	<37	F1	37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Fluoranthene	120		37	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Hexachlorobutadiene	<190	F1	190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Hexachlorocyclopentadiene	<750	F1	750	210	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Hexachloroethane	<190	F1	190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717

Lab Sample ID: 500-132824-1

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	27	J F1	37	9.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Pentachlorophenol	<750	F1	750	600	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Phenanthrene	54		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Phenol	<190	F2	190	83	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Pyrene	110		37	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	40		25 - 139				08/25/17 07:08	08/28/17 18:39	1
2-Fluorobiphenyl	82		44 - 121				08/25/17 07:08	08/28/17 18:39	1
2-Fluorophenol	95		46 - 133				08/25/17 07:08	08/28/17 18:39	1
Nitrobenzene-d5	73		41 - 120				08/25/17 07:08	08/28/17 18:39	1
Phenol-d5	68		46 - 125				08/25/17 07:08	08/28/17 18:39	1
Terphenyl-d14	90		35 - 160				08/25/17 07:08	08/28/17 18:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Barium	0.44	J	0.50	0.050	mg/L		08/23/17 09:22	08/23/17 23:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/23/17 23:35	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/23/17 09:22	08/23/17 23:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/23/17 23:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/23/17 23:35	1
Manganese	0.55		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/23/17 23:35	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:35	1
Zinc	0.039	J	0.50	0.020	mg/L		08/23/17 09:22	08/23/17 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Barium	0.66		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:22	1
Beryllium	0.0062		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:22	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:22	1
Chromium	0.17		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Cobalt	0.028		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Copper	0.12	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Iron	130		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:22	1
Lead	0.12		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:22	1
Manganese	0.70		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Nickel	0.12		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717

Lab Sample ID: 500-132824-1

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:22	1
Zinc	0.39	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J F1	1.1	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Arsenic	3.7	F1	0.53	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Barium	59	F1	0.53	0.060	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Beryllium	0.55		0.21	0.049	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Cadmium	0.10	J B F1	0.11	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Calcium	35000	B	110	18	mg/Kg	☼	08/24/17 07:56	08/25/17 13:05	10
Chromium	16		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Cobalt	7.6		0.26	0.069	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Copper	12	F1	0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Iron	14000	B	11	5.5	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Lead	29	F2	0.26	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Magnesium	13000	B	5.3	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Manganese	300	B	0.53	0.077	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Nickel	16		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Potassium	910	F1	26	9.4	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Selenium	<0.53	F1	0.53	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Silver	<0.26	F1	0.26	0.068	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Sodium	1100	F1	53	7.8	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Vanadium	24		0.26	0.063	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1
Zinc	43	F1 F2	1.1	0.47	mg/Kg	☼	08/24/17 07:56	08/24/17 14:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	47		17	5.8	ug/Kg	☼	08/23/17 10:00	08/23/17 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/22/17 17:01	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-2(0-6.6)-081717

Lab Sample ID: 500-132824-2

Date Collected: 08/17/17 08:49

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.4	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,2-Dichloroethane	<3.7		3.7	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Ethylbenzene	<1.5		1.5	0.70	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
2-Hexanone	<3.7		3.7	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Styrene	<1.5		1.5	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
trans-1,2-Dichloroethene	<1.5		1.5	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
1,1,2-Trichloroethane	<1.5		1.5	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Vinyl chloride	<1.5		1.5	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/18/17 08:00	08/23/17 02:03	1
Dibromofluoromethane	104		75 - 126	08/18/17 08:00	08/23/17 02:03	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/18/17 08:00	08/23/17 02:03	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-2(0-6.6)-081717

Lab Sample ID: 500-132824-2

Date Collected: 08/17/17 08:49

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-2(0-6.6)-081717

Lab Sample ID: 500-132824-2

Date Collected: 08/17/17 08:49

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Phenol	<190		190	83	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		25 - 139				08/25/17 07:08	08/28/17 15:13	1
2-Fluorobiphenyl	84		44 - 121				08/25/17 07:08	08/28/17 15:13	1
2-Fluorophenol	90		46 - 133				08/25/17 07:08	08/28/17 15:13	1
Nitrobenzene-d5	71		41 - 120				08/25/17 07:08	08/28/17 15:13	1
Phenol-d5	82		46 - 125				08/25/17 07:08	08/28/17 15:13	1
Terphenyl-d14	96		35 - 160				08/25/17 07:08	08/28/17 15:13	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		08/23/17 09:22	08/23/17 23:39	1
Barium	0.38	J	0.50	0.050	mg/L		08/23/17 09:22	08/23/17 23:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/23/17 23:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/23/17 23:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:39	1
Copper	0.011	J	0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:39	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/23/17 23:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/23/17 23:39	1
Manganese	0.15		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:39	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/23/17 23:39	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:39	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/23/17 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Barium	0.56		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:26	1
Beryllium	0.0049		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:26	1
Chromium	0.13		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Cobalt	0.023	J	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Copper	0.12	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Iron	98		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:26	1
Lead	0.042		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:26	1
Manganese	0.52		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Nickel	0.090		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-2(0-6.6)-081717

Lab Sample ID: 500-132824-2

Date Collected: 08/17/17 08:49

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:26	1
Zinc	0.19	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.1	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Arsenic	1.4		0.53	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Barium	36		0.53	0.060	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Beryllium	0.35		0.21	0.049	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Cadmium	0.10	J B	0.11	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Calcium	17000	B	110	18	mg/Kg	☼	08/24/17 07:56	08/25/17 13:25	10
Chromium	9.8		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Cobalt	4.7		0.26	0.069	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Copper	8.2		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Iron	8400	B	11	5.5	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Lead	4.5		0.26	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Magnesium	47000	B	5.3	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Manganese	150	B	0.53	0.077	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Nickel	11		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Potassium	980		26	9.3	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Silver	<0.26		0.26	0.068	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Sodium	600		53	7.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Vanadium	14		0.26	0.062	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1
Zinc	19		1.1	0.46	mg/Kg	☼	08/24/17 07:56	08/24/17 15:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.20	0.20	SU			08/22/17 17:03	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717D

Lab Sample ID: 500-132824-3

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<19		19	8.4	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Benzene	<1.9		1.9	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Bromoform	<1.9		1.9	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Bromomethane	<4.8		4.8	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Carbon disulfide	<4.8		4.8	1.0	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Carbon tetrachloride	<1.9		1.9	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Chlorobenzene	<1.9		1.9	0.71	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Chloroethane	<4.8		4.8	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Chloroform	<1.9		1.9	0.67	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Chloromethane	<4.8		4.8	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
cis-1,2-Dichloroethene	<1.9		1.9	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
cis-1,3-Dichloropropene	<1.9		1.9	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Dibromochloromethane	<1.9		1.9	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,1-Dichloroethane	<1.9		1.9	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,2-Dichloroethane	<4.8		4.8	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,1-Dichloroethene	<1.9		1.9	0.67	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,2-Dichloropropane	<1.9		1.9	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,3-Dichloropropene, Total	<1.9		1.9	0.68	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Ethylbenzene	<1.9		1.9	0.93	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
2-Hexanone	<4.8		4.8	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Methylene Chloride	<4.8		4.8	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Methyl Ethyl Ketone	<4.8		4.8	2.1	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
methyl isobutyl ketone	<4.8		4.8	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Methyl tert-butyl ether	<1.9		1.9	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Styrene	<1.9		1.9	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Tetrachloroethene	<1.9		1.9	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Toluene	<1.9		1.9	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
trans-1,2-Dichloroethene	<1.9		1.9	0.86	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
trans-1,3-Dichloropropene	<1.9		1.9	0.68	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,1,1-Trichloroethane	<1.9		1.9	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
1,1,2-Trichloroethane	<1.9		1.9	0.83	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Trichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Vinyl chloride	<1.9		1.9	0.86	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1
Xylenes, Total	<3.9		3.9	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	08/18/17 08:00	08/23/17 02:28	1
Dibromofluoromethane	105		75 - 126	08/18/17 08:00	08/23/17 02:28	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	08/18/17 08:00	08/23/17 02:28	1
Toluene-d8 (Surr)	100		75 - 124	08/18/17 08:00	08/23/17 02:28	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	☼	08/25/17 07:08	08/28/17 19:09	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717D

Lab Sample ID: 500-132824-3

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2-Methylnaphthalene	8.9	J	78	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Anthracene	12	J	38	6.5	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Benzo[a]anthracene	74		38	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Benzo[a]pyrene	93		38	7.5	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Benzo[b]fluoranthene	140		38	8.3	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Benzo[g,h,i]perylene	45		38	12	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Benzo[k]fluoranthene	55		38	11	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Carbazole	<190		190	97	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Chrysene	95		38	11	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Fluoranthene	170		38	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717D

Lab Sample ID: 500-132824-3

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	38		38	10	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Phenanthrene	74		38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Phenol	<190		190	86	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Pyrene	150		38	7.7	ug/Kg	☼	08/25/17 07:08	08/28/17 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	40		25 - 139				08/25/17 07:08	08/28/17 19:09	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 07:08	08/28/17 19:09	1
2-Fluorophenol	107		46 - 133				08/25/17 07:08	08/28/17 19:09	1
Nitrobenzene-d5	80		41 - 120				08/25/17 07:08	08/28/17 19:09	1
Phenol-d5	87		46 - 125				08/25/17 07:08	08/28/17 19:09	1
Terphenyl-d14	91		35 - 160				08/25/17 07:08	08/28/17 19:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Barium	0.44	J	0.50	0.050	mg/L		08/23/17 09:22	08/23/17 23:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/23/17 23:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/23/17 23:43	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/23/17 23:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/23/17 23:43	1
Manganese	0.47		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/23/17 23:43	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:43	1
Zinc	0.026	J	0.50	0.020	mg/L		08/23/17 09:22	08/23/17 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Barium	0.79		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:29	1
Beryllium	0.0072		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:29	1
Chromium	0.19		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Cobalt	0.032		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Copper	0.15	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Iron	160		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:29	1
Lead	0.14		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:29	1
Manganese	0.87		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Nickel	0.15		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-1(0-6.6)-081717D

Lab Sample ID: 500-132824-3

Date Collected: 08/17/17 08:20

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:29	1
Zinc	0.47	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Arsenic	2.8		0.54	0.19	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Barium	51		0.54	0.062	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Beryllium	0.50		0.22	0.051	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Cadmium	0.11	B	0.11	0.020	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Calcium	25000	B	11	1.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Chromium	15		0.54	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Cobalt	5.4		0.27	0.071	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Copper	14		0.54	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Iron	13000	B	11	5.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Lead	34		0.27	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Magnesium	15000	B	5.4	2.7	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Manganese	170	B	0.54	0.079	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Nickel	16		0.54	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Potassium	900		27	9.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Sodium	830		54	8.0	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Vanadium	23		0.27	0.064	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1
Zinc	52		1.1	0.48	mg/Kg	☼	08/24/17 07:56	08/24/17 15:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		17	5.7	ug/Kg	☼	08/23/17 10:00	08/23/17 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/22/17 17:06	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-3(0-6.6)-081717

Lab Sample ID: 500-132824-4

Date Collected: 08/17/17 09:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 83.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,3-Dichloropropane, Total	<1.6		1.6	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/18/17 08:00	08/23/17 02:53	1
Dibromofluoromethane	102		75 - 126	08/18/17 08:00	08/23/17 02:53	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/18/17 08:00	08/23/17 02:53	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 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	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-3(0-6.6)-081717

Lab Sample ID: 500-132824-4

Date Collected: 08/17/17 09:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Carbazole	<190		190	96	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Chrysene	<38		38	10	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Fluoranthene	7.6 J		38	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Fluorene	17 J		38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-3(0-6.6)-081717

Lab Sample ID: 500-132824-4

Date Collected: 08/17/17 09:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Phenanthrene	9.7	J	38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Phenol	<190		190	85	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1
Pyrene	12	J	38	7.6	ug/Kg	☼	08/25/17 07:08	08/28/17 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	49		25 - 139	08/25/17 07:08	08/28/17 15:42	1
2-Fluorobiphenyl	90		44 - 121	08/25/17 07:08	08/28/17 15:42	1
2-Fluorophenol	123		46 - 133	08/25/17 07:08	08/28/17 15:42	1
Nitrobenzene-d5	85		41 - 120	08/25/17 07:08	08/28/17 15:42	1
Phenol-d5	84		46 - 125	08/25/17 07:08	08/28/17 15:42	1
Terphenyl-d14	94		35 - 160	08/25/17 07:08	08/28/17 15:42	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Barium	0.51		0.50	0.050	mg/L		08/23/17 09:22	08/23/17 23:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/23/17 23:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/23/17 23:47	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/23/17 23:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/23/17 23:47	1
Manganese	4.1		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Nickel	0.010	J	0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/23/17 23:47	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:47	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/23/17 23:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Barium	0.91		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:33	1
Beryllium	0.0085		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:33	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:33	1
Chromium	0.22		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Cobalt	0.059		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Copper	0.21	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Iron	180		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:33	1
Lead	0.12		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:33	1
Manganese	2.0		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Nickel	0.20		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-3(0-6.6)-081717

Lab Sample ID: 500-132824-4

Date Collected: 08/17/17 09:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:33	1
Zinc	0.39	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J	1.1	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Arsenic	2.2		0.53	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Barium	37		0.53	0.061	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Beryllium	0.40		0.21	0.050	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Cadmium	0.087	J B	0.11	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Calcium	180000	B	110	18	mg/Kg	☼	08/24/17 07:56	08/25/17 13:29	10
Chromium	11		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Cobalt	5.2		0.27	0.070	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Copper	12		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Iron	10000	B	11	5.5	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Lead	11		0.27	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Magnesium	30000	B	5.3	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Manganese	220	B	0.53	0.077	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Nickel	15		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Potassium	1100		27	9.4	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Sodium	1100		53	7.9	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Vanadium	17		0.27	0.063	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	1
Zinc	29		1.1	0.47	mg/Kg	☼	08/24/17 07:56	08/24/17 15:26	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		08/22/17 13:00	08/23/17 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		19	6.3	ug/Kg	☼	08/23/17 10:00	08/23/17 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/22/17 17:08	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-4(0-6.6)-081717

Lab Sample ID: 500-132824-5

Date Collected: 08/17/17 09:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.0	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,3-Dichloropropane, Total	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 03:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/18/17 08:00	08/23/17 03:18	1
Dibromofluoromethane	101		75 - 126	08/18/17 08:00	08/23/17 03:18	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/18/17 08:00	08/23/17 03:18	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 03:18	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	☼	08/25/17 07:08	08/29/17 12:18	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-4(0-6.6)-081717

Lab Sample ID: 500-132824-5

Date Collected: 08/17/17 09:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2-Methylnaphthalene	26	J	78	7.1	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Acenaphthylene	11	J	38	5.1	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Anthracene	14	J	38	6.5	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Benzo[a]anthracene	46		38	5.2	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Benzo[a]pyrene	49		38	7.5	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Benzo[b]fluoranthene	84		38	8.4	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Benzo[g,h,i]perylene	24	J	38	12	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Benzo[k]fluoranthene	35	J	38	11	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Carbazole	<190		190	97	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Chrysene	60		38	11	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Dibenz(a,h)anthracene	12	J	38	7.5	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Fluoranthene	98		38	7.2	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-4(0-6.6)-081717

Lab Sample ID: 500-132824-5

Date Collected: 08/17/17 09:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	27	J	38	10	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Naphthalene	12	J	38	6.0	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Phenanthrene	71		38	5.4	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Phenol	<190		190	86	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Pyrene	86		38	7.7	ug/Kg	☼	08/25/17 07:08	08/29/17 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97		25 - 139				08/25/17 07:08	08/29/17 12:18	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 07:08	08/29/17 12:18	1
2-Fluorophenol	107		46 - 133				08/25/17 07:08	08/29/17 12:18	1
Nitrobenzene-d5	82		41 - 120				08/25/17 07:08	08/29/17 12:18	1
Phenol-d5	96		46 - 125				08/25/17 07:08	08/29/17 12:18	1
Terphenyl-d14	100		35 - 160				08/25/17 07:08	08/29/17 12:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Barium	0.36	J	0.50	0.050	mg/L		08/23/17 09:22	08/23/17 23:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/23/17 23:51	1
Cadmium	0.0042	J	0.0050	0.0020	mg/L		08/23/17 09:22	08/23/17 23:51	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/23/17 23:51	1
Lead	0.014		0.0075	0.0075	mg/L		08/23/17 09:22	08/23/17 23:51	1
Manganese	0.24		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/23/17 23:51	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/23/17 23:51	1
Zinc	0.15	J	0.50	0.020	mg/L		08/23/17 09:22	08/23/17 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Barium	0.87		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:37	1
Beryllium	0.0098		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:37	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:37	1
Chromium	0.24		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Cobalt	0.046		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Copper	0.23	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Iron	210		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:37	1
Lead	0.90		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:37	1
Manganese	1.4		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Nickel	0.21		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:37	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-4(0-6.6)-081717

Lab Sample ID: 500-132824-5

Date Collected: 08/17/17 09:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:37	1
Zinc	0.78		0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.1	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Arsenic	3.5		0.53	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Barium	43		0.53	0.061	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Beryllium	0.45		0.21	0.050	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Cadmium	0.34	B	0.11	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Calcium	10000	B	11	1.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Chromium	12		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Cobalt	5.5		0.27	0.070	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Copper	14		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Iron	12000	B	11	5.5	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Lead	73		0.27	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Magnesium	7200	B	5.3	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Manganese	210	B	0.53	0.077	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Nickel	14		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Potassium	860		27	9.4	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Sodium	1100		53	7.9	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Vanadium	21		0.27	0.063	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	1
Zinc	96		1.1	0.47	mg/Kg	☼	08/24/17 07:56	08/24/17 15:30	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		08/22/17 13:00	08/23/17 11:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.20	0.20	SU			08/22/17 17:11	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-6(0-6.6)-081717

Lab Sample ID: 500-132824-7

Date Collected: 08/17/17 10:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.9	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/18/17 08:00	08/23/17 04:08	1
Dibromofluoromethane	93		75 - 126	08/18/17 08:00	08/23/17 04:08	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	08/18/17 08:00	08/23/17 04:08	1
Toluene-d8 (Surr)	103		75 - 124	08/18/17 08:00	08/23/17 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-6(0-6.6)-081717

Lab Sample ID: 500-132824-7

Date Collected: 08/17/17 10:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2-Methylnaphthalene	22	J	76	6.9	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Acenaphthylene	7.8	J	37	5.0	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Anthracene	13	J	37	6.3	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Benzo[a]anthracene	64		37	5.1	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Benzo[a]pyrene	68		37	7.3	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Benzo[b]fluoranthene	110		37	8.1	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Benzo[g,h,i]perylene	37		37	12	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Benzo[k]fluoranthene	41		37	11	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Carbazole	<190		190	94	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Chrysene	81		37	10	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Dibenz(a,h)anthracene	14	J	37	7.3	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Fluoranthene	130		37	7.0	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-6(0-6.6)-081717

Lab Sample ID: 500-132824-7

Date Collected: 08/17/17 10:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	36	J	37	9.7	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Naphthalene	11	J	37	5.8	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Phenanthrene	81		37	5.2	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Phenol	<190		190	84	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Pyrene	120		37	7.5	ug/Kg	☼	08/25/17 07:08	08/29/17 11:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		25 - 139				08/25/17 07:08	08/29/17 11:54	1
2-Fluorobiphenyl	87		44 - 121				08/25/17 07:08	08/29/17 11:54	1
2-Fluorophenol	116		46 - 133				08/25/17 07:08	08/29/17 11:54	1
Nitrobenzene-d5	81		41 - 120				08/25/17 07:08	08/29/17 11:54	1
Phenol-d5	106		46 - 125				08/25/17 07:08	08/29/17 11:54	1
Terphenyl-d14	100		35 - 160				08/25/17 07:08	08/29/17 11:54	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Barium	0.31	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:00	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:00	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:00	1
Manganese	0.049		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Nickel	0.14		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:00	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:00	1
Zinc	0.16	J	0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Barium	0.66		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:44	1
Beryllium	0.0066		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:44	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:44	1
Chromium	0.16		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Cobalt	0.031		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Copper	0.29	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Iron	130		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:44	1
Lead	0.22		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:44	1
Manganese	0.92		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Nickel	0.15		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-6(0-6.6)-081717

Lab Sample ID: 500-132824-7

Date Collected: 08/17/17 10:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:44	1
Zinc	0.44	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	0.91	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Arsenic	3.1		0.46	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Barium	41		0.46	0.052	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Beryllium	0.49		0.18	0.043	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Cadmium	0.21	B	0.091	0.016	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Calcium	17000	B	9.1	1.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Chromium	14		0.46	0.23	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Cobalt	6.5		0.23	0.060	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Copper	14		0.46	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Iron	13000	B	9.1	4.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Lead	74		0.23	0.11	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Magnesium	11000	B	4.6	2.3	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Manganese	210	B	0.46	0.066	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Nickel	16		0.46	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Potassium	740		23	8.1	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Selenium	0.29	J	0.46	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Silver	<0.23		0.23	0.059	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Sodium	710		46	6.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Vanadium	19		0.23	0.054	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1
Zinc	58		0.91	0.40	mg/Kg	☼	08/24/17 07:56	08/24/17 15:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-7(0-6.6)-081717

Lab Sample ID: 500-132824-8

Date Collected: 08/17/17 10:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.6	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1
Xylenes, Total	<3.0		3.0	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/18/17 08:00	08/23/17 04:34	1
Dibromofluoromethane	102		75 - 126	08/18/17 08:00	08/23/17 04:34	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	08/18/17 08:00	08/23/17 04:34	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-7(0-6.6)-081717

Lab Sample ID: 500-132824-8

Date Collected: 08/17/17 10:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Benzo[a]anthracene	7.7 J		37	5.1	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Benzo[b]fluoranthene	12 J		37	8.1	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Carbazole	<190		190	94	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Fluoranthene	12 J		37	7.0	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 13:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-7(0-6.6)-081717

Lab Sample ID: 500-132824-8

Date Collected: 08/17/17 10:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.2

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	<37		37	9.7	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Isophorone	<190		190	42	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Naphthalene	<37		37	5.8	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Nitrobenzene	<37		37	9.4	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Pentachlorophenol	<760		760	600	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Phenanthrene	8.2	J	37	5.2	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Phenol	<190		190	84	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1
Pyrene	11	J	37	7.5	ug/Kg	*	08/25/17 07:08	08/28/17 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		25 - 139	08/25/17 07:08	08/28/17 13:44	1
2-Fluorobiphenyl	77		44 - 121	08/25/17 07:08	08/28/17 13:44	1
2-Fluorophenol	88		46 - 133	08/25/17 07:08	08/28/17 13:44	1
Nitrobenzene-d5	65		41 - 120	08/25/17 07:08	08/28/17 13:44	1
Phenol-d5	84		46 - 125	08/25/17 07:08	08/28/17 13:44	1
Terphenyl-d14	85		35 - 160	08/25/17 07:08	08/28/17 13:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Barium	0.30	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:04	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:04	1
Manganese	0.25		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:04	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:04	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:04	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		08/22/17 07:47	08/22/17 19:48	1
Barium	0.41	J	0.50	0.050	mg/L		08/22/17 07:47	08/22/17 19:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 19:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 19:48	1
Chromium	0.077		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:48	1
Cobalt	0.016	J	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:48	1
Copper	0.10	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:48	1
Iron	64		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 19:48	1
Lead	0.036		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 19:48	1
Manganese	0.45		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:48	1
Nickel	0.069		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:48	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 19:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: AL10-7(0-6.6)-081717

Lab Sample ID: 500-132824-8

Date Collected: 08/17/17 10:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 19:48	1
Zinc	0.16	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 19:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	0.92	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Arsenic	1.9		0.46	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Barium	29		0.46	0.052	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Beryllium	0.38		0.18	0.043	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Cadmium	0.093	B	0.092	0.017	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Calcium	150000	B	92	16	mg/Kg	☼	08/24/17 07:56	08/25/17 13:37	10
Chromium	9.6		0.46	0.23	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Cobalt	5.6		0.23	0.060	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Copper	11		0.46	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Iron	9300	B	9.2	4.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Lead	6.9		0.23	0.11	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Magnesium	36000	B	4.6	2.3	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Manganese	200	B	0.46	0.067	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Nickel	14		0.46	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Potassium	960		23	8.1	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Selenium	<0.46		0.46	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Silver	<0.23		0.23	0.059	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Sodium	650		46	6.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Vanadium	15		0.23	0.054	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1
Zinc	24		0.92	0.40	mg/Kg	☼	08/24/17 07:56	08/24/17 15:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:57	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		08/21/17 12:00	08/22/17 11:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	18	6.1	ug/Kg	☼	08/23/17 10:00	08/23/17 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 17:18	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F4	MS/MSD RPD exceeds control limits due to sample size difference.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132824-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132824 COC

Report To (optional)
Contact: S. Bahusikumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative		Parameter					Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Sampler		Lab PM		NOCS	SVOCS	TOTAL METALS		TRACEABLE METALS	PH
Project Location/State		Lab Project #		Sampler		Lab PM							
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments						
Weston Solutions		02056-04,060.0030											
IDOT 060- US20 at Harmony Rd													
Cora Township IL				M. Doneny-skubic		D. Wright							
1		AL10-1(0-6.6)-081717	8/17/17	0820	5	S	X	X	X	X	X		
2		AL10-2(0-6.6)-081717		0849									
3		AL10-1(0-6.6)-081717D		0820									
4		AL10-3(0-6.6)-081717		0915									
5		AL10-4(0-6.6)-081717		0935									
6		AL10-5(0-6.6)-081717		0955									
7		AL10-6(0-6.6)-081717		1015									
8		AL10-7(0-6.6)-081717		1035									
9		CC-1(0-3.6)-081717		1055									
10		CC-2(0-3.6)-081717	8/17/17	1105	5	S	X	X	X	X	X		

Turnaround Time Required (Business Days)

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

Sample Disposal

Return to Client

Disposal by Lab

Archive for ___ Months

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

Relinquished By <u>[Signature]</u> Company <u>Weston</u>	Date <u>8/17/17</u>	Time <u>1505</u>	Received By <u>[Signature]</u> Company <u>TA</u>	Date <u>8/17/17</u>	Time <u>1505</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u>	Date <u>8/17/17</u>	Time <u>1820</u>	Received By <u>[Signature]</u> Company <u>TA-CPD</u>	Date <u>8/18/17</u>	Time <u>0715</u>
Relinquished By	Date	Time	Received By	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions		02056.0									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
IDOT 060-US20 at Harmony Rd											
Project Location/State		Lab Project #		Date		Time		# of Containers		Matrix	
Coral Township, IL											
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
M. Doherty-Skubic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUCCS	TOTAL METALS	TOC/SOC METALS	PH
11		R14-1(0-5.1)-081717	8/17/17	1155	5	S	X	X	X	X	X
12		R14-2(0-5.1)-081717		1220							
13		R14-2(0-5.1)-081717D		1220							
14		R14-3(0-5.1)-081717		1238							
15		R14-4(0-5.1)-081717		1255							
16		CB-1(0-4)-081717		1310							
17		CB-1(4-5)-081717		1315							
18		CB-2(0-4)-081717		1330							
19		CB-2(4-5)-081717	8/17/17	1335	5	S	X	X	X	X	X
LAST REMAINING											

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

Turnaround Time Required (Business Days) _____
Requested Due Date _____
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-Skubic</u> Company: <u>Weston</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Received By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1820</u>	Received By: <u>Admin</u> Company: <u>TA-CPE</u> Date: <u>8/18/17</u> Time: <u>0715</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____
Lab Comments: _____

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-132824-1

Login Number: 132824

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7,2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
16917-17015 Harmony Road, (ISGS Site No. 2386V-11)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160811695 Longitude: -88.528503719
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160811695 Longitude: -88.528503719

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 CR-1 AND CR-3 THROUGH CR-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-11. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132756-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

Michael Castillo, P.G.
 Printed Name:

Michael Castillo
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

21 November 2017
 Date:



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

Summary Table of ISGS Site No. 2386V-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	CR-1(0-2.2)-081617	CR-3(0-2.2)-081617	CR-3(0-2.2)-081617D	CR-4(0-2.2)-081617	CR-5(0-2.2)-081617	CR-6(0-2.2)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	
Location ID	CR-1	CR-3	CR-3	CR-4	CR-5	CR-6	
Depth	0 - 2.2	0 - 2.2	0 - 2.2	0 - 2.2	0 - 2.2	0 - 2.2	
ISGS Site No.	2386V-11	2386V-11	2386V-11	2386V-11	2386V-11	2386V-11	
Parameter							
Laboratory pH	8.9	8.9	8.9	8.2	8.9	9.0	<6.5; >9.0
VOCs (ug/kg)	No Exceedances						
SVOCs (ug/kg)							
Benzo(a)pyrene	280	120	140	180	60	32 J	90 / 1300 / 2100
Total Metals (mg/kg)							
Antimony, Total	0.55 J	0.38 J	0.52 J	0.33 J	0.36 J	0.49 J	5
Arsenic, Total	3.1 J	2.9	3.7	3.5	3	2.2	11.3 / 13.0
Barium, Total	21	42 J	22 J	60	69	33	1500
Beryllium, Total	0.2	0.41	0.27	0.47	0.49	0.31	22
Cadmium, Total	0.21	0.096 J	0.11	0.16	0.094 J	0.13	5.2
Calcium, Total	120000 J	59000 J	140000 J	7800 B	5200 B	100000 B	---
Chromium, Total	7.7	12 J	6.7 J	13	13	8.7	21
Cobalt, Total	3.5	4.7	3.8	5.9	7.5	4.4	20
Copper, Total	11	11	9.5	10	9.9	9.3	2900
Iron, Total	7600 J+	11000	9100	12000	12000	8600	15000 / 15900
Lead, Total	23 J	17 J	7.3 J	26	18	15	107
Magnesium, Total	46000 J	22000 J	54000 J	4900 B	4000 B	36000 B	325000
Manganese, Total	250 J+	180 B	260 B	350 B	410 B	240 B	630 / 636
Mercury, Total	0.016 J	0.034 J	0.018 J	0.037	0.035	0.012 J	0.89
Nickel, Total	8.7	13	9.6	12	12	10	100
Potassium, Total	570 J+	900	630	820	810	890	---
Selenium, Total	ND	ND	0.33 J	ND	0.57	ND	1.3
Sodium, Total	310 B	640 B	460 B	360 B	1400 B	1300 B	---
Vanadium, Total	13	19	16	22	22	16	550
Zinc, Total	42	35	27	47	46	32	5100
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.3 J	0.34 J	0.36 J	0.33 J	0.54	0.31 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0023 J	0.0024 J	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	0.051	ND	1
Copper, TCLP	ND	ND	ND	ND	0.012 J	ND	0.65
Iron, TCLP	0.21 J	ND	ND	0.22 J	1.9	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.49	0.61	0.8	0.13	11	0.064	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.015 J	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	0.17 J	ND	5

Summary Table of ISGS Site No. 2386V-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	CR-1(0-2.2)-081617	CR-3(0-2.2)-081617	CR-3(0-2.2)-081617D	CR-4(0-2.2)-081617	CR-5(0-2.2)-081617	CR-6(0-2.2)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	
Location ID	CR-1	CR-3	CR-3	CR-4	CR-5	CR-6	
Depth	0 - 2.2	0 - 2.2	0 - 2.2	0 - 2.2	0 - 2.2	0 - 2.2	
ISGS Site No.	2386V-11	2386V-11	2386V-11	2386V-11	2386V-11	2386V-11	
SPLP Metals (mg/l)							
Arsenic, SPLP	ND	ND	0.011 J	0.015 J	0.012 J	ND	0.05
Barium, SPLP	0.24 J	0.24 J	0.38 J	0.5	0.58	0.41 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.0021 J	0.005
Chromium, SPLP	0.051	0.064	0.099	0.11	0.12	0.11	0.1
Cobalt, SPLP	ND	ND	0.017 J	0.018 J	0.036	0.026	1
Copper, SPLP	0.075	0.057	0.074	0.072	0.089	0.11	0.65
Iron, SPLP	36 J+	52	83	91	88	89	5
Lead, SPLP	0.035	0.057	0.062	0.076	0.078	0.073	0.0075
Manganese, SPLP	0.28	0.39	0.51	0.78	1.7	0.63	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.031	0.046	0.075	0.076	0.08	0.086	0.1
Zinc, SPLP	0.2 J	0.17 J	0.22 J	0.24 J	0.23 J	0.21 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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: 500-132756-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/28/2017 2:43:03 PM

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-1(0-2.2)-081617

Lab Sample ID: 500-132756-1

Date Collected: 08/16/17 12:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,3-Dichloropropane, Total	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/17/17 07:50	08/22/17 03:41	1
Dibromofluoromethane	99		75 - 126	08/17/17 07:50	08/22/17 03:41	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/17/17 07:50	08/22/17 03:41	1
Toluene-d8 (Surr)	98		75 - 124	08/17/17 07:50	08/22/17 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	<180		180	38	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,2'-oxybis[1-chloropropane]	<180	F1	180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-1(0-2.2)-081617

Lab Sample ID: 500-132756-1

Date Collected: 08/16/17 12:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,4-Dimethylphenol	<350	F2	350	140	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,4-Dinitrophenol	<720	F1	720	630	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
3-Nitroaniline	<350	F1	350	110	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4,6-Dinitro-2-methylphenol	<720	F1	720	290	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4-Nitroaniline	<350	F1	350	150	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Acenaphthylene	58		35	4.7	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Anthracene	36		35	6.0	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Benzo[a]anthracene	200		35	4.8	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Benzo[a]pyrene	280		35	6.9	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Benzo[b]fluoranthene	560	F1	35	7.7	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Benzo[g,h,i]perylene	110	F1	35	11	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Benzo[k]fluoranthene	180	F1	35	11	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Bis(2-ethylhexyl) phthalate	<180	F1	180	65	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Butyl benzyl phthalate	100	J F1	180	68	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Carbazole	<180		180	89	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Chrysene	270		35	9.7	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Dibenz(a,h)anthracene	32	J F1	35	6.9	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Fluoranthene	460		35	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Fluorene	7.2	J	35	5.0	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Hexachlorocyclopentadiene	<720	F1	720	200	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Hexachloroethane	<180	F1	180	54	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-1(0-2.2)-081617

Lab Sample ID: 500-132756-1

Date Collected: 08/16/17 12:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130	F1	35	9.2	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Isophorone	<180		180	40	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
N-Nitrosodiphenylamine	<180	F1	180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Pentachlorophenol	<720	F1	720	570	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Phenanthrene	150		35	5.0	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Phenol	<180		180	79	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Pyrene	490	F1	35	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		25 - 139				08/23/17 16:09	08/25/17 19:30	1
2-Fluorobiphenyl	80		44 - 121				08/23/17 16:09	08/25/17 19:30	1
2-Fluorophenol	99		46 - 133				08/23/17 16:09	08/25/17 19:30	1
Nitrobenzene-d5	74		41 - 120				08/23/17 16:09	08/25/17 19:30	1
Phenol-d5	89		46 - 125				08/23/17 16:09	08/25/17 19:30	1
Terphenyl-d14	107		35 - 160				08/23/17 16:09	08/25/17 19:30	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		08/21/17 07:19	08/21/17 21:58	1
Barium	0.30	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 21:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 21:58	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 21:58	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 21:58	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 21:58	1
Copper	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 21:58	1
Iron	0.21	J	0.40	0.20	mg/L		08/21/17 07:19	08/21/17 21:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 21:58	1
Manganese	0.49		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 21:58	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 21:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 21:58	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 21:58	1
Zinc	0.036	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 21:58	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		08/21/17 07:22	08/21/17 19:03	1
Barium	0.24	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:03	1
Chromium	0.051		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:03	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:03	1
Copper	0.075		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:03	1
Iron	36		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:03	1
Lead	0.035		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:03	1
Manganese	0.28		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:03	1
Nickel	0.031		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:03	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-1(0-2.2)-081617

Lab Sample ID: 500-132756-1

Date Collected: 08/16/17 12:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:03	1
Zinc	0.20	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J F1	1.0	0.20	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Arsenic	3.1		0.50	0.17	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Barium	21		0.50	0.057	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Beryllium	0.20		0.20	0.047	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Cadmium	0.21		0.10	0.018	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Calcium	120000	B	100	17	mg/Kg	☼	08/22/17 09:10	08/23/17 13:05	10
Chromium	7.7		0.50	0.25	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Cobalt	3.5		0.25	0.066	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Copper	11		0.50	0.14	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Iron	7600		10	5.2	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Lead	23		0.25	0.12	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Magnesium	46000	B	5.0	2.5	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Manganese	250	B	0.50	0.073	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Nickel	8.7		0.50	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Potassium	570	F1	25	8.9	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Selenium	<0.50		0.50	0.30	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Silver	<0.25		0.25	0.065	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Sodium	310	B	50	7.5	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Vanadium	13		0.25	0.059	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	1
Zinc	42		1.0	0.44	mg/Kg	☼	08/22/17 09:10	08/22/17 21:40	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		08/21/17 12:00	08/22/17 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	6.0	ug/Kg	☼	08/22/17 08:45	08/22/17 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 15:52	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617

Lab Sample ID: 500-132756-3

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	72		18	7.8	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Methyl Ethyl Ketone	13		4.5	2.0	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	08/17/17 07:50	08/22/17 04:29	1
Dibromofluoromethane	101		75 - 126	08/17/17 07:50	08/22/17 04:29	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/17/17 07:50	08/22/17 04:29	1
Toluene-d8 (Surr)	97		75 - 124	08/17/17 07:50	08/22/17 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617

Lab Sample ID: 500-132756-3

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Acenaphthylene	33	J	37	4.8	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Anthracene	14	J	37	6.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Benzo[a]anthracene	76		37	4.9	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Benzo[a]pyrene	120		37	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Benzo[b]fluoranthene	210		37	7.9	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Benzo[g,h,i]perylene	67		37	12	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Benzo[k]fluoranthene	73		37	11	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Carbazole	<180		180	92	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Chrysene	130		37	10	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Dibenz(a,h)anthracene	16	J	37	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Fluoranthene	220		37	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617

Lab Sample ID: 500-132756-3

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	70		37	9.5	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Isophorone	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Phenanthrene	69		37	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Phenol	<180		180	82	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Pyrene	210		37	7.3	ug/Kg	☼	08/23/17 16:09	08/25/17 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	52		25 - 139				08/23/17 16:09	08/25/17 13:10	1
2-Fluorobiphenyl	76		44 - 121				08/23/17 16:09	08/25/17 13:10	1
2-Fluorophenol	95		46 - 133				08/23/17 16:09	08/25/17 13:10	1
Nitrobenzene-d5	71		41 - 120				08/23/17 16:09	08/25/17 13:10	1
Phenol-d5	81		46 - 125				08/23/17 16:09	08/25/17 13:10	1
Terphenyl-d14	89		35 - 160				08/23/17 16:09	08/25/17 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		08/21/17 07:19	08/21/17 22:06	1
Barium	0.34	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:06	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:06	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:06	1
Copper	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:06	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:06	1
Manganese	0.61		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:06	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:06	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:06	1
Zinc	0.025	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Barium	0.24	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:22	1
Chromium	0.064		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Copper	0.057		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Iron	52		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:22	1
Lead	0.057		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:22	1
Manganese	0.39		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Nickel	0.046		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:22	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617

Lab Sample ID: 500-132756-3

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:22	1
Zinc	0.17	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.1	0.21	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Arsenic	2.9		0.54	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Barium	42		0.54	0.062	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Beryllium	0.41		0.22	0.051	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Cadmium	0.096	J	0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Calcium	59000	B	110	18	mg/Kg	☼	08/22/17 09:10	08/23/17 13:31	10
Chromium	12		0.54	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Cobalt	4.7		0.27	0.071	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Copper	11		0.54	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Iron	11000		11	5.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Lead	17		0.27	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Magnesium	22000	B	5.4	2.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Manganese	180	B	0.54	0.079	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Nickel	13		0.54	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Potassium	900		27	9.6	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Sodium	640	B	54	8.1	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Vanadium	19		0.27	0.064	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1
Zinc	35		1.1	0.48	mg/Kg	☼	08/22/17 09:10	08/22/17 22:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	34		16	5.5	ug/Kg	☼	08/22/17 08:45	08/22/17 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 15:57	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617D

Lab Sample ID: 500-132756-4

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	110		25	11	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Benzene	<2.5		2.5	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Bromodichloromethane	<2.5		2.5	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Bromoform	<2.5		2.5	0.72	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Carbon disulfide	<6.2		6.2	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Carbon tetrachloride	<2.5		2.5	0.72	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Chlorobenzene	<2.5		2.5	0.92	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Chloroethane	<6.2		6.2	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Chloroform	<2.5		2.5	0.86	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Chloromethane	<6.2		6.2	2.5	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
cis-1,2-Dichloroethene	<2.5		2.5	0.69	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
cis-1,3-Dichloropropene	<2.5		2.5	0.75	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Dibromochloromethane	<2.5		2.5	0.81	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,1-Dichloroethane	<2.5		2.5	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,2-Dichloroethane	<6.2		6.2	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,1-Dichloroethene	<2.5		2.5	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,2-Dichloropropane	<2.5		2.5	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,3-Dichloropropane, Total	<2.5		2.5	0.87	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Ethylbenzene	<2.5		2.5	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Methylene Chloride	<6.2		6.2	2.4	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Methyl Ethyl Ketone	23		6.2	2.8	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
methyl isobutyl ketone	<6.2		6.2	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Methyl tert-butyl ether	<2.5		2.5	0.73	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Styrene	<2.5		2.5	0.75	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,1,2,2-Tetrachloroethane	<2.5		2.5	0.79	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Tetrachloroethene	<2.5		2.5	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Toluene	<2.5		2.5	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
trans-1,2-Dichloroethene	<2.5		2.5	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
trans-1,3-Dichloropropene	<2.5		2.5	0.87	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,1,1-Trichloroethane	<2.5		2.5	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
1,1,2-Trichloroethane	<2.5		2.5	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Trichloroethene	<2.5		2.5	0.84	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Vinyl chloride	<2.5		2.5	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1
Xylenes, Total	<5.0		5.0	0.79	ug/Kg	☼	08/17/17 07:50	08/22/17 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/17/17 07:50	08/22/17 04:53	1
Dibromofluoromethane	96		75 - 126	08/17/17 07:50	08/22/17 04:53	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	08/17/17 07:50	08/22/17 04:53	1
Toluene-d8 (Surr)	96		75 - 124	08/17/17 07:50	08/22/17 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617D

Lab Sample ID: 500-132756-4

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Acenaphthylene	35	J	36	4.8	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Anthracene	14	J	36	6.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Benzo[a]anthracene	90		36	4.9	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Benzo[a]pyrene	140		36	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Benzo[b]fluoranthene	230		36	7.9	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Benzo[g,h,i]perylene	73		36	12	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Benzo[k]fluoranthene	91		36	11	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Carbazole	<180		180	91	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Chrysene	140		36	10	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Dibenz(a,h)anthracene	19	J	36	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Fluoranthene	240		36	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617D

Lab Sample ID: 500-132756-4

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	78		36	9.5	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Isophorone	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Phenanthrene	75		36	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Phenol	<180		180	81	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Pyrene	230		36	7.3	ug/Kg	☼	08/23/17 16:09	08/25/17 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		25 - 139				08/23/17 16:09	08/25/17 13:39	1
2-Fluorobiphenyl	74		44 - 121				08/23/17 16:09	08/25/17 13:39	1
2-Fluorophenol	95		46 - 133				08/23/17 16:09	08/25/17 13:39	1
Nitrobenzene-d5	70		41 - 120				08/23/17 16:09	08/25/17 13:39	1
Phenol-d5	81		46 - 125				08/23/17 16:09	08/25/17 13:39	1
Terphenyl-d14	88		35 - 160				08/23/17 16:09	08/25/17 13:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Barium	0.36	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:19	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Copper	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:19	1
Manganese	0.80		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:19	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:19	1
Zinc	0.028	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:19	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		08/21/17 07:22	08/21/17 19:25	1
Barium	0.38	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:25	1
Chromium	0.099		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:25	1
Cobalt	0.017	J	0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:25	1
Copper	0.074		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:25	1
Iron	83		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:25	1
Lead	0.062		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:25	1
Manganese	0.51		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:25	1
Nickel	0.075		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:25	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-3(0-2.2)-081617D

Lab Sample ID: 500-132756-4

Date Collected: 08/16/17 13:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:25	1
Zinc	0.22	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.1	0.22	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Arsenic	3.7		0.55	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Barium	22		0.55	0.063	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Beryllium	0.27		0.22	0.052	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Cadmium	0.11		0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Calcium	140000	B	110	19	mg/Kg	☼	08/22/17 09:10	08/23/17 13:35	10
Chromium	6.7		0.55	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Cobalt	3.8		0.28	0.073	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Copper	9.5		0.55	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Iron	9100		11	5.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Lead	7.3		0.28	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Magnesium	54000	B	5.5	2.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Manganese	260	B	0.55	0.080	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Nickel	9.6		0.55	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Potassium	630		28	9.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Selenium	0.33	J	0.55	0.33	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Silver	<0.28		0.28	0.071	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Sodium	460	B	55	8.2	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Vanadium	16		0.28	0.065	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1
Zinc	27		1.1	0.49	mg/Kg	☼	08/22/17 09:10	08/22/17 22:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18		17	5.6	ug/Kg	☼	08/22/17 08:45	08/22/17 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 16:00	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-4(0-2.2)-081617

Lab Sample ID: 500-132756-5

Date Collected: 08/16/17 13:50

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<19		19	8.4	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Benzene	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Bromoform	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Bromomethane	<4.8		4.8	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Carbon disulfide	<4.8		4.8	1.0	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Carbon tetrachloride	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Chlorobenzene	<1.9		1.9	0.71	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Chloroethane	<4.8		4.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Chloroform	<1.9		1.9	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Chloromethane	<4.8		4.8	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
cis-1,2-Dichloroethene	<1.9		1.9	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
cis-1,3-Dichloropropene	<1.9		1.9	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Dibromochloromethane	<1.9		1.9	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,1-Dichloroethane	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,2-Dichloroethane	<4.8		4.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,1-Dichloroethene	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,2-Dichloropropane	<1.9		1.9	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,3-Dichloropropene, Total	<1.9		1.9	0.68	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Ethylbenzene	<1.9		1.9	0.92	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
2-Hexanone	<4.8		4.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Methylene Chloride	<4.8		4.8	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Methyl Ethyl Ketone	<4.8		4.8	2.1	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
methyl isobutyl ketone	<4.8		4.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Methyl tert-butyl ether	<1.9		1.9	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Styrene	<1.9		1.9	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Tetrachloroethene	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Toluene	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
trans-1,2-Dichloroethene	<1.9		1.9	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
trans-1,3-Dichloropropene	<1.9		1.9	0.68	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,1,1-Trichloroethane	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
1,1,2-Trichloroethane	<1.9		1.9	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Trichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Vinyl chloride	<1.9		1.9	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1
Xylenes, Total	<3.9		3.9	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/17/17 07:50	08/22/17 00:38	1
Dibromofluoromethane	102		75 - 126	08/17/17 07:50	08/22/17 00:38	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	08/17/17 07:50	08/22/17 00:38	1
Toluene-d8 (Surr)	99		75 - 124	08/17/17 07:50	08/22/17 00:38	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	☼	08/23/17 16:09	08/25/17 14:08	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-4(0-2.2)-081617

Lab Sample ID: 500-132756-5

Date Collected: 08/16/17 13:50

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Acenaphthylene	38	J	39	5.2	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Anthracene	21	J	39	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Benzo[a]anthracene	130		39	5.3	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Benzo[a]pyrene	180		39	7.6	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Benzo[b]fluoranthene	310		39	8.5	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Benzo[g,h,i]perylene	91		39	13	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Benzo[k]fluoranthene	120		39	12	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Carbazole	<200		200	98	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Chrysene	170		39	11	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Dibenz(a,h)anthracene	21	J	39	7.6	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Fluoranthene	300		39	7.3	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-4(0-2.2)-081617

Lab Sample ID: 500-132756-5

Date Collected: 08/16/17 13:50

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.5

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	94		39	10	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Isophorone	<200		200	44	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Phenanthrene	79		39	5.5	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Phenol	<200		200	87	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Pyrene	290		39	7.8	ug/Kg	☼	08/23/17 16:09	08/25/17 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		25 - 139				08/23/17 16:09	08/25/17 14:08	1
2-Fluorobiphenyl	77		44 - 121				08/23/17 16:09	08/25/17 14:08	1
2-Fluorophenol	96		46 - 133				08/23/17 16:09	08/25/17 14:08	1
Nitrobenzene-d5	72		41 - 120				08/23/17 16:09	08/25/17 14:08	1
Phenol-d5	83		46 - 125				08/23/17 16:09	08/25/17 14:08	1
Terphenyl-d14	87		35 - 160				08/23/17 16:09	08/25/17 14:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Barium	0.33	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:23	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Copper	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Iron	0.22	J	0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:23	1
Manganese	0.13		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:23	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:23	1
Zinc	0.048	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Barium	0.50		0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:29	1
Chromium	0.11		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Copper	0.072		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Iron	91		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:29	1
Lead	0.076		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:29	1
Manganese	0.78		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Nickel	0.076		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-4(0-2.2)-081617

Lab Sample ID: 500-132756-5

Date Collected: 08/16/17 13:50

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:29	1
Zinc	0.24	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.33	J	1.1	0.22	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Arsenic	3.5		0.57	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Barium	60		0.57	0.065	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Beryllium	0.47		0.23	0.053	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Cadmium	0.16		0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Calcium	7800	B	11	1.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Chromium	13		0.57	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Cobalt	5.9		0.28	0.074	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Copper	10		0.57	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Iron	12000		11	5.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Lead	26		0.28	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Magnesium	4900	B	5.7	2.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Manganese	350	B	0.57	0.082	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Nickel	12		0.57	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Potassium	820		28	10	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Sodium	360	B	57	8.4	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Vanadium	22		0.28	0.067	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1
Zinc	47		1.1	0.50	mg/Kg	☼	08/22/17 09:10	08/22/17 22:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 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		08/21/17 12:00	08/22/17 10:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	37		20	6.7	ug/Kg	☼	08/22/17 08:45	08/22/17 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.20	0.20	SU			08/22/17 16:36	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-5(0-2.2)-081617

Lab Sample ID: 500-132756-6

Date Collected: 08/16/17 14:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	35		19	8.2	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Carbon disulfide	<4.7		4.7	0.98	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Ethylbenzene	<1.9		1.9	0.90	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Methylene Chloride	<4.7		4.7	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Methyl Ethyl Ketone	4.7		4.7	2.1	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
trans-1,2-Dichloroethene	<1.9		1.9	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Vinyl chloride	<1.9		1.9	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1
Xylenes, Total	<3.8		3.8	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/17/17 07:50	08/22/17 01:03	1
Dibromofluoromethane	103		75 - 126	08/17/17 07:50	08/22/17 01:03	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	08/17/17 07:50	08/22/17 01:03	1
Toluene-d8 (Surr)	98		75 - 124	08/17/17 07:50	08/22/17 01:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-5(0-2.2)-081617

Lab Sample ID: 500-132756-6

Date Collected: 08/16/17 14:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2-Methylnaphthalene	<77		77	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Acenaphthylene	12	J	38	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Anthracene	9.6	J	38	6.4	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Benzo[a]anthracene	40		38	5.2	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Benzo[a]pyrene	60		38	7.4	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Benzo[b]fluoranthene	110		38	8.3	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Benzo[g,h,i]perylene	31	J	38	12	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Benzo[k]fluoranthene	39		38	11	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Carbazole	<190		190	96	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Chrysene	61		38	10	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Fluoranthene	130		38	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-5(0-2.2)-081617

Lab Sample ID: 500-132756-6

Date Collected: 08/16/17 14:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	30	J	38	10	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Isophorone	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Phenanthrene	47		38	5.4	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Phenol	<190		190	85	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Pyrene	120		38	7.6	ug/Kg	☼	08/23/17 16:09	08/25/17 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		25 - 139				08/23/17 16:09	08/25/17 14:38	1
2-Fluorobiphenyl	86		44 - 121				08/23/17 16:09	08/25/17 14:38	1
2-Fluorophenol	108		46 - 133				08/23/17 16:09	08/25/17 14:38	1
Nitrobenzene-d5	83		41 - 120				08/23/17 16:09	08/25/17 14:38	1
Phenol-d5	89		46 - 125				08/23/17 16:09	08/25/17 14:38	1
Terphenyl-d14	95		35 - 160				08/23/17 16:09	08/25/17 14:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Barium	0.54		0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:27	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Cobalt	0.051		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Copper	0.012	J	0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Iron	1.9		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:27	1
Manganese	11		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Nickel	0.015	J	0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:27	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:27	1
Zinc	0.17	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Barium	0.58		0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:40	1
Beryllium	0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:40	1
Chromium	0.12		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Cobalt	0.036		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Copper	0.089		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Iron	88		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:40	1
Lead	0.078		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:40	1
Manganese	1.7		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Nickel	0.080		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-5(0-2.2)-081617

Lab Sample ID: 500-132756-6

Date Collected: 08/16/17 14:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:40	1
Zinc	0.23	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.22	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Arsenic	3.0		0.56	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Barium	69		0.56	0.064	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Beryllium	0.49		0.22	0.053	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Cadmium	0.094	J	0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Calcium	5200	B	11	1.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Chromium	13		0.56	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Cobalt	7.5		0.28	0.074	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Copper	9.9		0.56	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Iron	12000		11	5.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Lead	18		0.28	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Magnesium	4000	B	5.6	2.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Manganese	410	B	0.56	0.082	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Nickel	12		0.56	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Potassium	810		28	10	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Selenium	0.57		0.56	0.33	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Sodium	1400	B	56	8.3	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Vanadium	22		0.28	0.066	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1
Zinc	46		1.1	0.49	mg/Kg	☼	08/22/17 09:10	08/22/17 22:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 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		08/21/17 12:00	08/22/17 10:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	35		19	6.3	ug/Kg	☼	08/22/17 08:45	08/22/17 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 16:39	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-6(0-2.2)-081617

Lab Sample ID: 500-132756-7

Date Collected: 08/16/17 14:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 86.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.8	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Bromoform	<1.6		1.6	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Chlorobenzene	<1.6		1.6	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,1-Dichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Ethylbenzene	<1.6		1.6	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/17/17 07:50	08/22/17 01:28	1
Dibromofluoromethane	103		75 - 126	08/17/17 07:50	08/22/17 01:28	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	08/17/17 07:50	08/22/17 01:28	1
Toluene-d8 (Surr)	99		75 - 124	08/17/17 07:50	08/22/17 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-6(0-2.2)-081617

Lab Sample ID: 500-132756-7

Date Collected: 08/16/17 14:15

Matrix: Solid

Date Received: 08/16/17 17:25

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	<360		360	84	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Acenaphthylene	5.2 J		36	4.8	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Benzo[a]anthracene	24 J		36	4.9	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Benzo[a]pyrene	32 J		36	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Benzo[b]fluoranthene	56		36	7.9	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Benzo[g,h,i]perylene	19 J		36	12	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Benzo[k]fluoranthene	19 J		36	11	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Carbazole	<180		180	92	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Chrysene	39		36	10	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Fluoranthene	64		36	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-6(0-2.2)-081617

Lab Sample ID: 500-132756-7

Date Collected: 08/16/17 14:15

Matrix: Solid

Date Received: 08/16/17 17:25

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	16	J	36	9.5	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Isophorone	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Phenanthrene	27	J	36	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Phenol	<180		180	81	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Pyrene	56		36	7.3	ug/Kg	☼	08/23/17 16:09	08/25/17 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		25 - 139				08/23/17 16:09	08/25/17 15:07	1
2-Fluorobiphenyl	85		44 - 121				08/23/17 16:09	08/25/17 15:07	1
2-Fluorophenol	109		46 - 133				08/23/17 16:09	08/25/17 15:07	1
Nitrobenzene-d5	81		41 - 120				08/23/17 16:09	08/25/17 15:07	1
Phenol-d5	91		46 - 125				08/23/17 16:09	08/25/17 15:07	1
Terphenyl-d14	98		35 - 160				08/23/17 16:09	08/25/17 15:07	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		08/21/17 07:19	08/21/17 22:31	1
Barium	0.31	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:31	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:31	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:31	1
Copper	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:31	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:31	1
Manganese	0.064		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:31	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:31	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:31	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:31	1
Zinc	<0.50		0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Barium	0.41	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:44	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:44	1
Chromium	0.11		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Cobalt	0.026		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Copper	0.11		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Iron	89		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:44	1
Lead	0.073		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:44	1
Manganese	0.63		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Nickel	0.086		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: CR-6(0-2.2)-081617

Lab Sample ID: 500-132756-7

Date Collected: 08/16/17 14:15

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:44	1
Zinc	0.21	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.1	0.22	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Arsenic	2.2		0.56	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Barium	33		0.56	0.064	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Beryllium	0.31		0.22	0.052	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Cadmium	0.13		0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Calcium	100000	B	110	19	mg/Kg	☼	08/22/17 09:10	08/23/17 13:39	10
Chromium	8.7		0.56	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Cobalt	4.4		0.28	0.073	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Copper	9.3		0.56	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Iron	8600		11	5.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Lead	15		0.28	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Magnesium	36000	B	5.6	2.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Manganese	240	B	0.56	0.081	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Nickel	10		0.56	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Potassium	890		28	9.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Sodium	1300	B	56	8.3	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Vanadium	16		0.28	0.066	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1
Zinc	32		1.1	0.49	mg/Kg	☼	08/22/17 09:10	08/22/17 22:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	18	5.9	ug/Kg	☼	08/22/17 08:45	08/22/17 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.20	0.20	SU			08/22/17 16:41	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132756-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.534.5200 Fax: 708.53.



500-132756 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132756
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 28.2, 2.4

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Containers		Comments			
Project Location/State		Lab PM		Date	Time	# of	Matrix				
Sampler											
Weston Solutions											
IDOT 060-US 20 @ Harmony Rd											
Coral Township, IL		D. Wright									
M. Doherty-Skubic											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUOCs	Total Metals	TELP/SP metals	pH
1		CR-1(0-2.2)-081617	8-16-17	1242	5	S	X	X	X	X	X
2		CR-2(0-2.2)-081617		1255							
3		CR-3(0-2.2)-081617		1310							
4		CR-3(0-2.2)-081617D		1310							
5		CR-4(0-2.2)-081617		1350							
6		CR-5(0-2.2)-081617		1405							
7		CR-6(0-2.2)-081617		1415							
8		HR-1(0-4)-081617		1428							
9		HR-1(4-9.5)-081617		1433							
10		HR-2(0-4)-081617	8-16-17	1442	5	S	X	X	X	X	X

Turnaround Time Required (Business Days)

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

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

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

Relinquished By <u>[Signature]</u> Company <u>WESTON</u> Date <u>8/16/17</u> Time <u>1521</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>8/16/17</u> Time <u>1521</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>8/16/17</u> Time <u>1725</u>	Received By <u>[Signature]</u> Company <u>TA-CH</u> Date <u>8/17/17</u> Time <u>0715</u>
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)	Bill To (optional)
Contact: <u>S. Babusukumar</u>	Contact: <u>SAME</u>
Company: <u>Weston Solutions Inc</u>	Company: _____
Address: <u>300 Plaza Circle, Ste</u>	Address: _____
Address: <u>Mundelein, IL 60060</u>	Address: _____
Phone: <u>224-864-7200</u>	Phone: _____
Fax: <u>224-864-7236</u>	Fax: _____
E-Mail: _____	PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-132756

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston Solutions</u>		<u>02056-04.060.0030</u>									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>IDOT 060 - US 80 at Harmony Rd</u>											
Project Location/State		Lab Project #		Date		Time		# of Containers		Matrix	
<u>Coral Township, IL</u>											
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
<u>M. Doheny-Skubic</u>		<u>D. Wright</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP/SPUP Metals	PH
<u>11</u>		<u>HR-2(4-9.5)-081617</u>	<u>8/16/17</u>	<u>1440</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>HR-3(0.4)-081617</u>	<u>8/16/17</u>	<u>1505</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>13</u>		<u>HR-3(4-9.5)-081617</u>	<u>8/16/17</u>	<u>1510</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>14</u>		<u>LAST ITEM</u>									
											<u>MS</u>
											<u>MS</u>
											<u>MS</u>
											<u>MS</u>
											<u>MS</u>
											<u>MS</u>

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

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

Requested Due Date: _____

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-OTI</u> Date: <u>8/17/17</u> Time: <u>0715</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
11602 US 20, (ISGS Site No. 2386V-12)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160818756 Longitude: -88.526999831
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160818756 Longitude: -88.526999831

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 HR-1 AND HR-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-12. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132756-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.

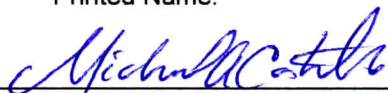
Street Address: 300 Circle Plaza, Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael Castillo, P.G.

Printed Name:



21 November 2017

Date:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:



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

Summary Table of ISGS Site No. 2386V-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	HR-1(0-4)-081617	HR-1(4-9.5)-081617	HR-3(0-4)-081617	HR-3(4-9.5)-081617	Soil Reference Concentrations ^A
Sample Date	8/16/2017	8/16/2017	8/16/2017	8/16/2017	
Location ID	HR-1	HR-1	HR-3	HR-3	
Depth	0 - 4	4 - 9.5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-12	2386V-12	2386V-12	2386V-12	
Parameter					
Laboratory pH	8.9	7.9	8.9	8.6	<6.5; >9.0
VOCs (ug/kg)					
No Exceedances					
SVOCs (ug/kg)					
No Exceedances					
Total Metals (mg/kg)					
Antimony, Total	0.46 J	0.44 J	0.51 J	0.42 J	5
Arsenic, Total	2.2	3.1	3.6	2.2	11.3 / 13.0
Barium, Total	23	83	52	51	1500
Beryllium, Total	0.28	0.66	0.48	0.41	22
Cadmium, Total	0.13	0.16	0.091 J	0.07 J	5.2
Calcium, Total	110000 B	8300 B	14000 B	88000 B	---
Chromium, Total	7.8	16	14	12	21
Cobalt, Total	4	7.3	7.1	5.3	20
Copper, Total	9.2	17	11	9.2	2900
Iron, Total	7800	14000	13000	10000	15000 / 15900
Lead, Total	9.2	26	16	6.5	107
Magnesium, Total	37000 B	5500 B	9000 B	27000 B	325000
Manganese, Total	170 B	350 B	260 B	400 B	630 / 636
Mercury, Total	0.014 J	0.076	0.026	0.014 J	0.89
Nickel, Total	10	18	14	13	100
Potassium, Total	720	900	790	1000	---
Selenium, Total	ND	0.46 J	0.61	0.35 J	1.3
Sodium, Total	1300 B	1800 B	1300 B	480 B	---
Vanadium, Total	14	21	24	17	550
Zinc, Total	30	69	42	26	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.35 J	0.23 J	0.37 J	0.38 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.0021 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	0.038	0.034	0.016 J	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.8	3.3	0.48	0.13	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	0.026 J	ND	0.05
Barium, SPLP	0.36 J	0.99	0.54	0.4 J	2
Beryllium, SPLP	ND	0.0069	0.0052	ND	0.004
Cadmium, SPLP	ND	0.0028 J	0.0021 J	ND	0.005
Chromium, SPLP	0.09	0.2	0.14	0.061	0.1
Cobalt, SPLP	0.03	0.031	0.023 J	0.01 J	1
Copper, SPLP	0.098	0.18	0.11	0.067	0.65
Iron, SPLP	78	160	120	42	5
Lead, SPLP	0.055	0.096	0.11	0.02	0.0075
Manganese, SPLP	0.67	1.3	0.92	0.65	0.15
Mercury, SPLP	ND	0.00021	ND	ND	0.002
Nickel, SPLP	0.078	0.11	0.11	0.044	0.1
Zinc, SPLP	0.16 J	0.62	0.38 J	0.14 J	5

Notes:

--- not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

 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: 500-132756-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/28/2017 2:43:03 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(0-4)-081617

Lab Sample ID: 500-132756-8

Date Collected: 08/16/17 14:28

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.5	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,3-Dichloropropane, Total	<1.7		1.7	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 01:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/17/17 07:50	08/22/17 01:53	1
Dibromofluoromethane	103		75 - 126	08/17/17 07:50	08/22/17 01:53	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	08/17/17 07:50	08/22/17 01:53	1
Toluene-d8 (Surr)	98		75 - 124	08/17/17 07:50	08/22/17 01:53	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	40	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(0-4)-081617

Lab Sample ID: 500-132756-8

Date Collected: 08/16/17 14:28

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Benzo[a]anthracene	14 J		37	5.0	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Benzo[a]pyrene	19 J		37	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Benzo[b]fluoranthene	33 J		37	8.0	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Benzo[k]fluoranthene	13 J		37	11	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Carbazole	<190		190	92	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Chrysene	22 J		37	10	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Fluoranthene	35 J		37	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(0-4)-081617

Lab Sample ID: 500-132756-8

Date Collected: 08/16/17 14:28

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	13	J	37	9.6	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Isophorone	<190		190	41	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Phenanthrene	14	J	37	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Phenol	<190		190	82	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Pyrene	33	J	37	7.3	ug/Kg	☼	08/23/17 16:09	08/25/17 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		25 - 139				08/23/17 16:09	08/25/17 15:36	1
2-Fluorobiphenyl	87		44 - 121				08/23/17 16:09	08/25/17 15:36	1
2-Fluorophenol	111		46 - 133				08/23/17 16:09	08/25/17 15:36	1
Nitrobenzene-d5	85		41 - 120				08/23/17 16:09	08/25/17 15:36	1
Phenol-d5	97		46 - 125				08/23/17 16:09	08/25/17 15:36	1
Terphenyl-d14	95		35 - 160				08/23/17 16:09	08/25/17 15:36	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Barium	0.35	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Copper	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:35	1
Manganese	1.8		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:35	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:35	1
Zinc	0.034	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:35	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		08/21/17 07:22	08/21/17 19:48	1
Barium	0.36	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:48	1
Chromium	0.090		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:48	1
Cobalt	0.030		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:48	1
Copper	0.098		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:48	1
Iron	78		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:48	1
Lead	0.055		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:48	1
Manganese	0.67		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:48	1
Nickel	0.078		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:48	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:48	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(0-4)-081617

Lab Sample ID: 500-132756-8

Date Collected: 08/16/17 14:28

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:48	1
Zinc	0.16	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.21	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Arsenic	2.2		0.55	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Barium	23		0.55	0.063	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Beryllium	0.28		0.22	0.051	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Cadmium	0.13		0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Calcium	110000	B	110	19	mg/Kg	☼	08/22/17 09:10	08/23/17 13:43	10
Chromium	7.8		0.55	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Cobalt	4.0		0.28	0.072	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Copper	9.2		0.55	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Iron	7800		11	5.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Lead	9.2		0.28	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Magnesium	37000	B	5.5	2.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Manganese	170	B	0.55	0.080	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Nickel	10		0.55	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Potassium	720		28	9.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Silver	<0.28		0.28	0.071	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Sodium	1300	B	55	8.1	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Vanadium	14		0.28	0.065	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1
Zinc	30		1.1	0.48	mg/Kg	☼	08/22/17 09:10	08/22/17 22:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	18	5.8	ug/Kg	☼	08/22/17 08:45	08/22/17 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 16:44	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(4-9.5)-081617

Lab Sample ID: 500-132756-9

Date Collected: 08/16/17 14:33

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 79.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	29		19	8.4	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Benzene	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Bromoform	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Bromomethane	<4.8		4.8	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Carbon disulfide	<4.8		4.8	1.0	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Carbon tetrachloride	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Chlorobenzene	<1.9		1.9	0.71	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Chloroethane	<4.8		4.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Chloroform	<1.9		1.9	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Chloromethane	<4.8		4.8	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
cis-1,2-Dichloroethene	<1.9		1.9	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
cis-1,3-Dichloropropene	<1.9		1.9	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Dibromochloromethane	<1.9		1.9	0.63	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,1-Dichloroethane	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,2-Dichloroethane	<4.8		4.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,1-Dichloroethene	<1.9		1.9	0.66	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,2-Dichloropropane	<1.9		1.9	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,3-Dichloropropane, Total	<1.9		1.9	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Ethylbenzene	<1.9		1.9	0.92	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
2-Hexanone	<4.8		4.8	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Methylene Chloride	<4.8		4.8	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Methyl Ethyl Ketone	<4.8		4.8	2.1	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
methyl isobutyl ketone	<4.8		4.8	1.4	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Styrene	<1.9		1.9	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Tetrachloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Toluene	<1.9		1.9	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
trans-1,2-Dichloroethene	<1.9		1.9	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
trans-1,3-Dichloropropene	<1.9		1.9	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,1,1-Trichloroethane	<1.9		1.9	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
1,1,2-Trichloroethane	<1.9		1.9	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Trichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Vinyl chloride	<1.9		1.9	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/17/17 07:50	08/22/17 02:18	1
Dibromofluoromethane	105		75 - 126	08/17/17 07:50	08/22/17 02:18	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/17/17 07:50	08/22/17 02:18	1
Toluene-d8 (Surr)	97		75 - 124	08/17/17 07:50	08/22/17 02:18	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	☼	08/23/17 16:09	08/25/17 16:05	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(4-9.5)-081617

Lab Sample ID: 500-132756-9

Date Collected: 08/16/17 14:33

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 79.4

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	94	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2-Methylphenol	<210		210	66	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Anthracene	<41		41	6.9	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Benzo[a]anthracene	12 J		41	5.6	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Benzo[a]pyrene	16 J		41	8.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Benzo[b]fluoranthene	27 J		41	8.9	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Carbazole	<210		210	100	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Chrysene	18 J		41	11	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Dibenzofuran	<210		210	48	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Fluoranthene	30 J		41	7.7	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Fluorene	<41		41	5.8	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Hexachloroethane	<210		210	63	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(4-9.5)-081617

Lab Sample ID: 500-132756-9

Date Collected: 08/16/17 14:33

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 79.4

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	<41		41	11	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Isophorone	<210		210	46	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Naphthalene	<41		41	6.4	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Nitrobenzene	<41		41	10	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
N-Nitrosodi-n-propylamine	<83		83	51	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Phenanthrene	15	J	41	5.8	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Phenol	<210		210	92	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Pyrene	28	J	41	8.2	ug/Kg	☼	08/23/17 16:09	08/25/17 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		25 - 139				08/23/17 16:09	08/25/17 16:05	1
2-Fluorobiphenyl	78		44 - 121				08/23/17 16:09	08/25/17 16:05	1
2-Fluorophenol	102		46 - 133				08/23/17 16:09	08/25/17 16:05	1
Nitrobenzene-d5	73		41 - 120				08/23/17 16:09	08/25/17 16:05	1
Phenol-d5	87		46 - 125				08/23/17 16:09	08/25/17 16:05	1
Terphenyl-d14	91		35 - 160				08/23/17 16:09	08/25/17 16:05	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Barium	0.23	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Copper	0.038		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:39	1
Manganese	3.3		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:39	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:39	1
Zinc	0.073	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:39	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		08/21/17 07:22	08/21/17 19:51	1
Barium	0.99		0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:51	1
Beryllium	0.0069		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:51	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:51	1
Chromium	0.20		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:51	1
Cobalt	0.031		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:51	1
Copper	0.18		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:51	1
Iron	160		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:51	1
Lead	0.096		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:51	1
Manganese	1.3		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:51	1
Nickel	0.11		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-1(4-9.5)-081617

Lab Sample ID: 500-132756-9

Date Collected: 08/16/17 14:33

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:51	1
Zinc	0.62		0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.23	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Arsenic	3.1		0.58	0.20	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Barium	83		0.58	0.066	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Beryllium	0.66		0.23	0.054	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Cadmium	0.16		0.12	0.021	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Calcium	8300	B	12	2.0	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Chromium	16		0.58	0.29	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Cobalt	7.3		0.29	0.076	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Copper	17		0.58	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Iron	14000		12	6.1	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Lead	26		0.29	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Magnesium	5500	B	5.8	2.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Manganese	350	B	0.58	0.084	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Nickel	18		0.58	0.17	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Potassium	900		29	10	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Selenium	0.46	J	0.58	0.34	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Silver	<0.29		0.29	0.075	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Sodium	1800	B	58	8.6	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Vanadium	21		0.29	0.069	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	1
Zinc	69		1.2	0.51	mg/Kg	☼	08/22/17 09:10	08/22/17 22:37	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		08/21/17 12:00	08/22/17 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	76		21	7.0	ug/Kg	☼	08/22/17 08:45	08/22/17 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.20	0.20	SU			08/22/17 16:46	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(0-4)-081617

Lab Sample ID: 500-132756-10

Date Collected: 08/16/17 14:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<2.4		2.4	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Bromodichloromethane	<2.4		2.4	0.49	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Bromoform	<2.4		2.4	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Bromomethane	<6.0		6.0	2.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Carbon disulfide	<6.0		6.0	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Carbon tetrachloride	<2.4		2.4	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Chlorobenzene	<2.4		2.4	0.89	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Chloroethane	<6.0		6.0	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Chloroform	<2.4		2.4	0.84	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Chloromethane	<6.0		6.0	2.4	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
cis-1,2-Dichloroethene	<2.4		2.4	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
cis-1,3-Dichloropropene	<2.4		2.4	0.73	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Dibromochloromethane	<2.4		2.4	0.79	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,1-Dichloroethane	<2.4		2.4	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,2-Dichloroethane	<6.0		6.0	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,1-Dichloroethene	<2.4		2.4	0.83	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,2-Dichloropropane	<2.4		2.4	0.62	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,3-Dichloropropene, Total	<2.4		2.4	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Ethylbenzene	<2.4		2.4	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Methylene Chloride	<6.0		6.0	2.4	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Methyl Ethyl Ketone	54		6.0	2.7	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
methyl isobutyl ketone	<6.0		6.0	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Methyl tert-butyl ether	<2.4		2.4	0.71	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Styrene	<2.4		2.4	0.73	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,1,2,2-Tetrachloroethane	<2.4		2.4	0.77	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Tetrachloroethene	<2.4		2.4	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Toluene	<2.4		2.4	0.61	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
trans-1,2-Dichloroethene	<2.4		2.4	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
trans-1,3-Dichloropropene	<2.4		2.4	0.85	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,1,1-Trichloroethane	<2.4		2.4	0.81	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
1,1,2-Trichloroethane	<2.4		2.4	1.0	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Trichloroethene	<2.4		2.4	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Vinyl chloride	<2.4		2.4	1.1	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1
Xylenes, Total	<4.8		4.8	0.77	ug/Kg	☼	08/17/17 07:50	08/22/17 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	08/17/17 07:50	08/22/17 02:43	1
Dibromofluoromethane	106		75 - 126	08/17/17 07:50	08/22/17 02:43	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/17/17 07:50	08/22/17 02:43	1
Toluene-d8 (Surr)	101		75 - 124	08/17/17 07:50	08/22/17 02:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	760		370	130	ug/Kg	☼	08/16/17 14:42	08/23/17 03:49	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		72 - 124	08/16/17 14:42	08/23/17 03:49	50
Dibromofluoromethane	100		75 - 120	08/16/17 14:42	08/23/17 03:49	50
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	08/16/17 14:42	08/23/17 03:49	50

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(0-4)-081617

Lab Sample ID: 500-132756-10

Date Collected: 08/16/17 14:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		75 - 120	08/16/17 14:42	08/23/17 03:49	50

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	☼	08/23/17 16:09	08/25/17 20:00	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2-Methylnaphthalene	43	J	79	7.2	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Acenaphthene	120		39	7.0	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Acenaphthylene	930		39	5.2	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Anthracene	890		39	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Carbazole	570		200	98	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Dibenzofuran	85	J	200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Fluorene	270		39	5.5	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(0-4)-081617

Lab Sample ID: 500-132756-10

Date Collected: 08/16/17 14:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<200		200	60	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Isophorone	<200		200	44	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Naphthalene	73		39	6.0	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Phenol	<200		200	87	ug/Kg	☼	08/23/17 16:09	08/25/17 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		25 - 139				08/23/17 16:09	08/25/17 20:00	1
2-Fluorobiphenyl	83		44 - 121				08/23/17 16:09	08/25/17 20:00	1
2-Fluorophenol	104		46 - 133				08/23/17 16:09	08/25/17 20:00	1
Nitrobenzene-d5	79		41 - 120				08/23/17 16:09	08/25/17 20:00	1
Phenol-d5	98		46 - 125				08/23/17 16:09	08/25/17 20:00	1
Terphenyl-d14	118		35 - 160				08/23/17 16:09	08/25/17 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	5000		390	53	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Benzo[a]pyrene	6400		390	76	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Benzo[b]fluoranthene	10000		390	85	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Benzo[g,h,i]perylene	3500		390	130	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Benzo[k]fluoranthene	3600		390	120	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Chrysene	6400		390	110	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Dibenz(a,h)anthracene	930		390	76	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Fluoranthene	13000		390	73	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Indeno[1,2,3-cd]pyrene	3500		390	100	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Phenanthrene	4400		390	55	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10
Pyrene	12000		390	78	ug/Kg	☼	08/23/17 16:09	08/28/17 13:15	10

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Barium	0.45	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:44	1
Cadmium	0.0042	J	0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:44	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Cobalt	0.021	J	0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Copper	0.028		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:44	1
Lead	0.046		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:44	1
Manganese	3.4		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Nickel	0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:44	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:44	1
Zinc	0.75	B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(0-4)-081617

Lab Sample ID: 500-132756-10

Date Collected: 08/16/17 14:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

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		08/21/17 07:22	08/21/17 19:55	1
Barium	0.15	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:55	1
Chromium	0.011	J	0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:55	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:55	1
Copper	0.054		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:55	1
Iron	6.4		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:55	1
Lead	0.13		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:55	1
Manganese	0.13		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:55	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:55	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:55	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:55	1
Zinc	0.26	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.69	J	1.2	0.23	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Arsenic	5.6		0.59	0.20	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Barium	39		0.59	0.067	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Beryllium	0.33		0.24	0.055	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Cadmium	0.45		0.12	0.021	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Calcium	140000	B	120	20	mg/Kg	☼	08/22/17 09:10	08/23/17 13:46	10
Chromium	10		0.59	0.29	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Cobalt	4.5		0.29	0.077	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Copper	18		0.59	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Iron	11000		12	6.1	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Lead	84		0.29	0.14	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Magnesium	43000	B	5.9	2.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Manganese	280	B	0.59	0.085	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Nickel	12		0.59	0.17	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Potassium	680		29	10	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Selenium	0.42	J	0.59	0.35	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Silver	<0.29		0.29	0.076	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Sodium	1700	B	59	8.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Vanadium	15		0.29	0.069	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	1
Zinc	180		1.2	0.52	mg/Kg	☼	08/22/17 09:10	08/22/17 22:40	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		08/21/17 12:00	08/22/17 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		08/21/17 12:00	08/22/17 11:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	44		17	5.7	ug/Kg	☼	08/22/17 08:45	08/22/17 14:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(0-4)-081617

Lab Sample ID: 500-132756-10

Date Collected: 08/16/17 14:42

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 84.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.20	0.20	SU			08/22/17 16:49	1

- 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 - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(4-9.5)-081617

Lab Sample ID: 500-132756-11

Date Collected: 08/16/17 14:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21		16	6.8	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Carbon disulfide	<3.9		3.9	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	08/17/17 07:50	08/22/17 03:08	1
Dibromofluoromethane	104		75 - 126	08/17/17 07:50	08/22/17 03:08	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	08/17/17 07:50	08/22/17 03:08	1
Toluene-d8 (Surr)	97		75 - 124	08/17/17 07:50	08/22/17 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(4-9.5)-081617

Lab Sample ID: 500-132756-11

Date Collected: 08/16/17 14:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2-Methylnaphthalene	<73		73	6.6	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Acenaphthene	15 J		36	6.5	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Acenaphthylene	23 J		36	4.8	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Anthracene	19 J		36	6.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Benzo[a]anthracene	76		36	4.9	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Benzo[a]pyrene	100		36	7.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Benzo[b]fluoranthene	180		36	7.8	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Benzo[g,h,i]perylene	45		36	12	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Benzo[k]fluoranthene	60		36	11	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Carbazole	<180		180	90	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Chrysene	100		36	9.9	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Dibenz(a,h)anthracene	14 J		36	7.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Fluoranthene	170		36	6.7	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Fluorene	12 J		36	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(4-9.5)-081617

Lab Sample ID: 500-132756-11

Date Collected: 08/16/17 14:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	47		36	9.4	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Isophorone	<180		180	41	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Naphthalene	14 J		36	5.6	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Phenanthrene	75		36	5.0	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Phenol	<180		180	80	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Pyrene	180		36	7.2	ug/Kg	☼	08/23/17 16:09	08/25/17 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	43		25 - 139				08/23/17 16:09	08/25/17 16:35	1
2-Fluorobiphenyl	83		44 - 121				08/23/17 16:09	08/25/17 16:35	1
2-Fluorophenol	103		46 - 133				08/23/17 16:09	08/25/17 16:35	1
Nitrobenzene-d5	79		41 - 120				08/23/17 16:09	08/25/17 16:35	1
Phenol-d5	85		46 - 125				08/23/17 16:09	08/25/17 16:35	1
Terphenyl-d14	97		35 - 160				08/23/17 16:09	08/25/17 16:35	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Barium	0.44 J		0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:48	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Cobalt	0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Copper	0.016 J		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:48	1
Manganese	7.5		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Nickel	0.022 J		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:48	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:48	1
Zinc	0.058 J B		0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026 J		0.050	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Barium	0.89		0.50	0.050	mg/L		08/21/17 07:22	08/21/17 19:59	1
Beryllium	0.0076		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 19:59	1
Cadmium	0.0028 J		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 19:59	1
Chromium	0.20		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Cobalt	0.062		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Copper	0.21		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Iron	170		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 19:59	1
Lead	0.20		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 19:59	1
Manganese	2.9		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Nickel	0.18		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 19:59	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-2(4-9.5)-081617

Lab Sample ID: 500-132756-11

Date Collected: 08/16/17 14:48

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 19:59	1
Zinc	0.56		0.50	0.020	mg/L		08/21/17 07:22	08/21/17 19:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J	1.1	0.21	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Arsenic	2.7		0.55	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Barium	47		0.55	0.062	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Beryllium	0.48		0.22	0.051	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Cadmium	0.12		0.11	0.020	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Calcium	25000	B	11	1.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Chromium	14		0.55	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Cobalt	6.4		0.27	0.072	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Copper	13		0.55	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Iron	12000		11	5.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Lead	14		0.27	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Magnesium	17000	B	5.5	2.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Manganese	280	B	0.55	0.079	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Nickel	16		0.55	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Potassium	1200		27	9.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Sodium	2100	B	55	8.1	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Vanadium	20		0.27	0.065	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1
Zinc	42		1.1	0.48	mg/Kg	☼	08/22/17 09:10	08/22/17 22:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	5.6	ug/Kg	☼	08/22/17 08:45	08/22/17 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/22/17 16:51	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(0-4)-081617

Lab Sample ID: 500-132756-12

Date Collected: 08/16/17 15:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/17/17 07:50	08/22/17 03:33	1
Dibromofluoromethane	101		75 - 126	08/17/17 07:50	08/22/17 03:33	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	08/17/17 07:50	08/22/17 03:33	1
Toluene-d8 (Surr)	98		75 - 124	08/17/17 07:50	08/22/17 03:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(0-4)-081617

Lab Sample ID: 500-132756-12

Date Collected: 08/16/17 15:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Acenaphthylene	5.8 J		37	4.9	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Benzo[a]anthracene	18 J		37	5.0	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Benzo[a]pyrene	22 J		37	7.2	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Benzo[b]fluoranthene	37		37	8.1	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Benzo[k]fluoranthene	11 J		37	11	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Carbazole	<190		190	94	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Chrysene	25 J		37	10	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Fluoranthene	32 J		37	6.9	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(0-4)-081617

Lab Sample ID: 500-132756-12

Date Collected: 08/16/17 15:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Isophorone	<190		190	42	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Phenanthrene	20	J	37	5.2	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Phenol	<190		190	83	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Pyrene	34	J	37	7.4	ug/Kg	☼	08/23/17 16:09	08/25/17 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		25 - 139				08/23/17 16:09	08/25/17 17:04	1
2-Fluorobiphenyl	89		44 - 121				08/23/17 16:09	08/25/17 17:04	1
2-Fluorophenol	111		46 - 133				08/23/17 16:09	08/25/17 17:04	1
Nitrobenzene-d5	84		41 - 120				08/23/17 16:09	08/25/17 17:04	1
Phenol-d5	96		46 - 125				08/23/17 16:09	08/25/17 17:04	1
Terphenyl-d14	102		35 - 160				08/23/17 16:09	08/25/17 17:04	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		08/21/17 07:19	08/21/17 22:52	1
Barium	0.37	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:52	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:52	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:52	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:52	1
Copper	0.034		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:52	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:52	1
Manganese	0.48		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:52	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:52	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:52	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:52	1
Zinc	0.063	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Barium	0.54		0.50	0.050	mg/L		08/21/17 07:22	08/21/17 20:03	1
Beryllium	0.0052		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 20:03	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 20:03	1
Chromium	0.14		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Cobalt	0.023	J	0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Copper	0.11		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Iron	120		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 20:03	1
Lead	0.11		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 20:03	1
Manganese	0.92		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Nickel	0.11		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 20:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(0-4)-081617

Lab Sample ID: 500-132756-12

Date Collected: 08/16/17 15:05

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:03	1
Zinc	0.38	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 20:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J	1.1	0.21	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Arsenic	3.6		0.53	0.18	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Barium	52		0.53	0.061	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Beryllium	0.48		0.21	0.050	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Cadmium	0.091	J	0.11	0.019	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Calcium	14000	B	11	1.8	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Chromium	14		0.53	0.26	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Cobalt	7.1		0.27	0.070	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Copper	11		0.53	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Iron	13000		11	5.5	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Lead	16		0.27	0.12	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Magnesium	9000	B	5.3	2.6	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Manganese	260	B	0.53	0.077	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Nickel	14		0.53	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Potassium	790		27	9.4	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Selenium	0.61		0.53	0.31	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Sodium	1300	B	53	7.9	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Thallium	<0.53		0.53	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Vanadium	24		0.27	0.063	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1
Zinc	42		1.1	0.47	mg/Kg	☼	08/22/17 09:10	08/22/17 22:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		17	5.8	ug/Kg	☼	08/22/17 08:45	08/22/17 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/22/17 16:56	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(4-9.5)-081617

Lab Sample ID: 500-132756-13

Date Collected: 08/16/17 15:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 85.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.9	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Carbon disulfide	<3.9		3.9	0.82	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Methylene Chloride	<3.9		3.9	1.6	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Methyl Ethyl Ketone	<3.9		3.9	1.8	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1
Xylenes, Total	<3.2		3.2	0.50	ug/Kg	☼	08/17/17 07:50	08/22/17 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/17/17 07:50	08/22/17 03:58	1
Dibromofluoromethane	101		75 - 126	08/17/17 07:50	08/22/17 03:58	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/17/17 07:50	08/22/17 03:58	1
Toluene-d8 (Surr)	97		75 - 124	08/17/17 07:50	08/22/17 03:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(4-9.5)-081617

Lab Sample ID: 500-132756-13

Date Collected: 08/16/17 15:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Carbazole	<190		190	95	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Chrysene	<38		38	10	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Fluorene	<38		38	5.3	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(4-9.5)-081617

Lab Sample ID: 500-132756-13

Date Collected: 08/16/17 15:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Isophorone	<190		190	43	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Phenol	<190		190	85	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Pyrene	<38		38	7.6	ug/Kg	☼	08/23/17 16:09	08/25/17 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	42		25 - 139				08/23/17 16:09	08/25/17 17:33	1
2-Fluorobiphenyl	92		44 - 121				08/23/17 16:09	08/25/17 17:33	1
2-Fluorophenol	114		46 - 133				08/23/17 16:09	08/25/17 17:33	1
Nitrobenzene-d5	88		41 - 120				08/23/17 16:09	08/25/17 17:33	1
Phenol-d5	101		46 - 125				08/23/17 16:09	08/25/17 17:33	1
Terphenyl-d14	103		35 - 160				08/23/17 16:09	08/25/17 17:33	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Barium	0.38	J	0.50	0.050	mg/L		08/21/17 07:19	08/21/17 22:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:19	08/21/17 22:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:19	08/21/17 22:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Copper	0.016	J	0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Iron	<0.40		0.40	0.20	mg/L		08/21/17 07:19	08/21/17 22:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/17 07:19	08/21/17 22:56	1
Manganese	0.13		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:19	08/21/17 22:56	1
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:19	08/21/17 22:56	1
Zinc	0.061	J B	0.50	0.020	mg/L		08/21/17 07:19	08/21/17 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Barium	0.40	J	0.50	0.050	mg/L		08/21/17 07:22	08/21/17 20:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/17 07:22	08/21/17 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/21/17 07:22	08/21/17 20:06	1
Chromium	0.061		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Cobalt	0.010	J	0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Copper	0.067		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Iron	42		0.40	0.20	mg/L		08/21/17 07:22	08/21/17 20:06	1
Lead	0.020		0.0075	0.0075	mg/L		08/21/17 07:22	08/21/17 20:06	1
Manganese	0.65		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Nickel	0.044		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/17 07:22	08/21/17 20:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Client Sample ID: HR-3(4-9.5)-081617

Lab Sample ID: 500-132756-13

Date Collected: 08/16/17 15:10

Matrix: Solid

Date Received: 08/16/17 17:25

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/21/17 07:22	08/21/17 20:06	1
Zinc	0.14	J	0.50	0.020	mg/L		08/21/17 07:22	08/21/17 20:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.1	0.21	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Arsenic	2.2		0.54	0.19	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Barium	51		0.54	0.062	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Beryllium	0.41		0.22	0.051	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Cadmium	0.070	J	0.11	0.019	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Calcium	88000	B	110	18	mg/Kg	☼	08/22/17 09:10	08/23/17 13:50	10
Chromium	12		0.54	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Cobalt	5.3		0.27	0.071	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Copper	9.2		0.54	0.15	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Iron	10000		11	5.6	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Lead	6.5		0.27	0.13	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Magnesium	27000	B	5.4	2.7	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Manganese	400	B	0.54	0.078	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Nickel	13		0.54	0.16	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Potassium	1000		27	9.6	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Selenium	0.35	J	0.54	0.32	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Sodium	480	B	54	8.0	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Vanadium	17		0.27	0.064	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	1
Zinc	26		1.1	0.48	mg/Kg	☼	08/22/17 09:10	08/22/17 22:52	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		08/21/17 12:00	08/22/17 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	17	5.8	ug/Kg	☼	08/22/17 08:45	08/22/17 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/22/17 16:58	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132756-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132756-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132756 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132756

Chain of Custody Number: _____

Page 1 of 2

Temperature °C of Cooler: 28.2, 2.4

Client		Client Project #		Preservative		Parameter		Matrix		Comments								
Project Name		Lab Project #		Sampling		Total Metals		TELP/SP metals										
Project Location/State		Lab PM		Date	Time	# of Containers	Matrix	PH										
Weston Solutions		Harmony Rd		M. Doherty - Skubic		D. Wright		VOCs		SVOCs		Total Metals		TELP/SP metals		PH		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix												
1		CR-1(0-2.2)-081617	8-16-17	1242	5	S	X	X	X	X	X							
2		CR-2(0-2.2)-081617		1255														
3		CR-3(0-2.2)-081617		1310														
4		CR-3(0-2.2)-081617D		1310														
5		CR-4(0-2.2)-081617		1350														
6		CR-5(0-2.2)-081617		1405														
7		CR-6(0-2.2)-081617		1415														
8		HR-1(0-4)-081617		1428														
9		HR-1(4-9.5)-081617		1433														
10		HR-2(0-4)-081617	8-16-17	1442	5	S	X	X	X	X	X							

Turnaround Time Required (Business Days)

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

Sample Disposal

Return to Client

Disposal by Lab

Archive for ___ Months

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

Relinquished By: <u>[Signature]</u> Company: <u>WESTON</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1521</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-CH</u> Date: <u>8/17/17</u> Time: <u>0715</u>

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To	(optional)	Bill To	(optional)
Contact:	S. Babusukumar	Contact:	SAME
Company:	Weston Solutions Inc	Company:	
Address:	300 Plaza Circle, Ste	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7200	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:		PO#/Reference#	

Chain of Custody Record

Lab Job #: 500-132756

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Matrix		Matrix		Comments			
Project Location/State		Lab Project #		Matrix		Matrix					
Weston Solutions		02056-04.060.0030									
IDOT 060 - US 80 at Harmony Rd											
Coral Township, IL											
M. Doheny-Skubic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP/SPUP Metals	PH
11		HR-2(4-9.5)-081617	8/16/17	1440	5	S	X	X	X	X	X
12		HR-3(0.4)-081617	8/16/17	1505	5	S	X	X	X	X	X
13		HR-3(4-9.5)-081617	8/16/17	1510	5	S	X	X	X	X	X
* LAST ITEM											
_____ MDS											
_____ MDS											
_____ MDS											
_____ MDS											
_____ MDS											
_____ MDS											
_____ MDS											

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

Requested Due Date: _____

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1521</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/16/17</u> Time: <u>1725</u>	Received By: <u>[Signature]</u> Company: <u>TA-OTI</u> Date: <u>8/17/17</u> Time: <u>0715</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 WL - Wipe MS - Miscellaneous DW - Drinking Water OL - Oil O - Other A - Air	Client Comments:	Lab Comments:
--	------------------	---------------



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

11520 US 20, (ISGS Site No. 2386V-13)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160692848 Longitude: -88.526417955

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160692848 Longitude: -88.526417955

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 CB-1 THROUGH CB-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-13. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORTS - JOB IDs: 500-132824-1 AND 500-132888-1. ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

Michael Castillo, P.G.
 Printed Name:

Michael Castillo
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

21 November 2017
 Date:



Summary Table of ISGS Site No. 2386V-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	CB-1(0-4)-081717	CB-1(4-5)-081717	CB-2(0-4)-081717	CB-2(4-5)-081717	CB-3(0-4)-081817	CB-3(4-9.5)-081817	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/18/2017	8/18/2017	
Location ID	CB-1	CB-1	CB-2	CB-2	CB-3	CB-3	
Depth	0 - 4	4 - 5	0 - 4	4 - 5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-13	2386V-13	2386V-13	2386V-13	2386V-13	2386V-13	
Parameter							
Laboratory pH	7.9	8.1	7.4	7.9	8.6	8.8	<6.5; >9.0
VOCs (ug/kg)	No Exceedances						
SVOCs (ug/kg)	No Exceedances						
Total Metals (mg/kg)							
Antimony, Total	0.4 J	0.42 J	0.27 J	0.33 J	ND	ND	5
Arsenic, Total	4	1.7	3.1	3.4	1.7	1.8	11.3 / 13.0
Barium, Total	54	17	98	98	28	23	1500
Beryllium, Total	0.59	0.23	0.57	0.63	0.38	0.35	22
Cadmium, Total	ND	ND	ND	ND	ND	ND	5.2
Calcium, Total	1600 B	130000 B	7800 B	2200 B	100000 J+	120000 B	---
Chromium, Total	17	6.9	13	16	10 J-	9.5	21
Cobalt, Total	7.4	2.9	6.3	9.3	4.9	4.3	20
Copper, Total	13	7	14	9.8	9.8	10	2900
Iron, Total	17000 B	7600 B	12000 B	15000 B	9200 J	8600	15000 / 15900
Lead, Total	8.9	4.9	27	9.6	4.7 J-	3.5	107
Magnesium, Total	3200 B	41000 B	4400 B	2500 B	36000 J-	42000 B	325000
Manganese, Total	170 B	150 B	360 B	220 B	230 J-	200	630 / 636
Mercury, Total	0.071	0.014 J	0.078	0.039	0.011 J	0.0084 J	0.89
Nickel, Total	19	8.8	14	17	12	11	100
Potassium, Total	1100	530	1000	920	1500 J+	1500	---
Selenium, Total	ND	ND	0.36 J	ND	ND	ND	1.3
Sodium, Total	740	340	1900	1300	450	250	---
Vanadium, Total	26	13	21	22	14	14	550
Zinc, Total	34	20	51	48	22 B	19 B	5100
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.21 J	0.3 J	0.39 J	0.38 J	0.24 J	0.26 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.041	0.041	ND	ND	1
Copper, TCLP	ND	ND	0.011 J	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.86	0.75	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.3	1.8	5	5.7	0.55	0.76	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.017 J	0.018 J	0.019 J	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2386V-13
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	CB-1(0-4)-081717	CB-1(4-5)-081717	CB-2(0-4)-081717	CB-2(4-5)-081717	CB-3(0-4)-081817	CB-3(4-9.5)-081817	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/17/2017	8/17/2017	8/17/2017	8/18/2017	8/18/2017	
Location ID	CB-1	CB-1	CB-2	CB-2	CB-3	CB-3	
Depth	0 - 4	4 - 5	0 - 4	4 - 5	0 - 4	4 - 9.5	
ISGS Site No.	2386V-13	2386V-13	2386V-13	2386V-13	2386V-13	2386V-13	
Parameter							
SPLP Metals (mg/l)							
Arsenic, SPLP	0.037 J	ND	0.012 J	0.038 J	ND	ND	0.05
Barium, SPLP	0.77	0.32 J	0.53	1.1	0.18 J	0.28 J	2
Beryllium, SPLP	0.0096	ND	ND	0.0069	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.002 J	ND	ND	ND	0.005
Chromium, SPLP	0.24	0.091	0.096	0.19	0.038	0.069	0.1
Cobalt, SPLP	0.041	0.012 J	0.026	0.058	ND	0.013 J	1
Copper, SPLP	0.22 B	0.075 B	0.13 B	0.2 B	0.04	0.07	0.65
Iron, SPLP	200	69	75	190 J	29	55	5
Lead, SPLP	0.065	0.028	0.15	0.095	0.014	0.025	0.0075
Manganese, SPLP	0.9	0.38	1.6	2.1	0.18	0.34	0.15
Mercury, SPLP	0.00048	ND	0.00023	0.00031	ND	ND	0.002
Nickel, SPLP	0.23	0.073	0.065	0.13	0.028	0.067	0.1
Zinc, SPLP	0.37 J	0.15 J	0.27 J	0.52	0.058 J	0.11 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

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: 500-132824-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 1:41:14 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



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www.testamericainc.com

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(0-4)-081717

Lab Sample ID: 500-132824-16

Date Collected: 08/17/17 13:10

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.6	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Dibromochloromethane	<1.8		1.8	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,1-Dichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,3-Dichloropropane, Total	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Methyl tert-butyl ether	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
trans-1,3-Dichloropropene	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Vinyl chloride	<1.8		1.8	0.77	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/18/17 08:00	08/23/17 07:54	1
Dibromofluoromethane	105		75 - 126	08/18/17 08:00	08/23/17 07:54	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/18/17 08:00	08/23/17 07:54	1
Toluene-d8 (Surr)	99		75 - 124	08/18/17 08:00	08/23/17 07:54	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	☼	08/25/17 07:08	08/28/17 18:41	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(0-4)-081717

Lab Sample ID: 500-132824-16

Date Collected: 08/17/17 13:10

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2-Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Anthracene	<38		38	6.4	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Carbazole	<190		190	96	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Chrysene	<38		38	11	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Fluorene	<38		38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Hexachloroethane	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(0-4)-081717

Lab Sample ID: 500-132824-16

Date Collected: 08/17/17 13:10

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Phenol	<190		190	86	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Pyrene	<38		38	7.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		25 - 139				08/25/17 07:08	08/28/17 18:41	1
2-Fluorobiphenyl	87		44 - 121				08/25/17 07:08	08/28/17 18:41	1
2-Fluorophenol	105		46 - 133				08/25/17 07:08	08/28/17 18:41	1
Nitrobenzene-d5	81		41 - 120				08/25/17 07:08	08/28/17 18:41	1
Phenol-d5	100		46 - 125				08/25/17 07:08	08/28/17 18:41	1
Terphenyl-d14	105		35 - 160				08/25/17 07:08	08/28/17 18:41	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		08/23/17 09:22	08/24/17 00:44	1
Barium	0.21	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:44	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:44	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:44	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:44	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:44	1
Manganese	1.3		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:44	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:44	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:44	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Barium	0.77		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:25	1
Beryllium	0.0096		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:25	1
Chromium	0.24		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Cobalt	0.041		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Copper	0.22	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Iron	200		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:25	1
Lead	0.065		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:25	1
Manganese	0.90		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Nickel	0.23		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:25	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(0-4)-081717

Lab Sample ID: 500-132824-16

Date Collected: 08/17/17 13:10

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:25	1
Zinc	0.37	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.0	0.20	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Arsenic	4.0		0.52	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Barium	54		0.52	0.059	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Beryllium	0.59		0.21	0.049	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Cadmium	<0.10		0.10	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Calcium	1600	B	10	1.8	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Chromium	17		0.52	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Cobalt	7.4		0.26	0.068	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Copper	13		0.52	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Iron	17000	B	10	5.4	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Lead	8.9		0.26	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Magnesium	3200	B	5.2	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Manganese	170	B	0.52	0.075	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Nickel	19		0.52	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Potassium	1100		26	9.2	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Sodium	740		52	7.7	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Vanadium	26		0.26	0.061	mg/Kg	☼	08/24/17 07:56	08/24/17 16:29	1
Zinc	34		1.0	0.46	mg/Kg	☼	08/24/17 07:56	08/24/17 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		08/22/17 13:00	08/23/17 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.48		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	71		19	6.4	ug/Kg	☼	08/23/17 10:00	08/23/17 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.20	0.20	SU			08/22/17 17:38	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(4-5)-081717

Lab Sample ID: 500-132824-17

Date Collected: 08/17/17 13:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Carbon disulfide	<3.9		3.9	0.80	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 08:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	08/18/17 08:00	08/23/17 08:19	1
Dibromofluoromethane	100		75 - 126	08/18/17 08:00	08/23/17 08:19	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/18/17 08:00	08/23/17 08:19	1
Toluene-d8 (Surr)	100		75 - 124	08/18/17 08:00	08/23/17 08:19	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	☼	08/25/17 07:08	08/28/17 17:02	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(4-5)-081717

Lab Sample ID: 500-132824-17

Date Collected: 08/17/17 13:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(4-5)-081717

Lab Sample ID: 500-132824-17

Date Collected: 08/17/17 13:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Phenol	<190		190	83	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		25 - 139	08/25/17 07:08	08/28/17 17:02	1
2-Fluorobiphenyl	75		44 - 121	08/25/17 07:08	08/28/17 17:02	1
2-Fluorophenol	97		46 - 133	08/25/17 07:08	08/28/17 17:02	1
Nitrobenzene-d5	71		41 - 120	08/25/17 07:08	08/28/17 17:02	1
Phenol-d5	70		46 - 125	08/25/17 07:08	08/28/17 17:02	1
Terphenyl-d14	88		35 - 160	08/25/17 07:08	08/28/17 17:02	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Barium	0.30	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:49	1
Manganese	1.8		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Nickel	0.017	J	0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:49	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:49	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:49	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		08/22/17 07:47	08/22/17 20:29	1
Barium	0.32	J	0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:29	1
Chromium	0.091		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:29	1
Cobalt	0.012	J	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:29	1
Copper	0.075	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:29	1
Iron	69		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:29	1
Lead	0.028		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:29	1
Manganese	0.38		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:29	1
Nickel	0.073		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:29	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:29	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-1(4-5)-081717

Lab Sample ID: 500-132824-17

Date Collected: 08/17/17 13:15

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:29	1
Zinc	0.15	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.0	0.20	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Arsenic	1.7		0.52	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Barium	17		0.52	0.059	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Beryllium	0.23		0.21	0.049	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Cadmium	0.086	J B	0.10	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Calcium	130000	B	100	18	mg/Kg	☼	08/24/17 07:56	08/25/17 14:04	10
Chromium	6.9		0.52	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Cobalt	2.9		0.26	0.068	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Copper	7.0		0.52	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Iron	7600	B	10	5.4	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Lead	4.9		0.26	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Magnesium	41000	B	5.2	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Manganese	150	B	0.52	0.076	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Nickel	8.8		0.52	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Potassium	530		26	9.2	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Sodium	340		52	7.7	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Vanadium	13		0.26	0.061	mg/Kg	☼	08/24/17 07:56	08/24/17 16:33	1
Zinc	20		1.0	0.46	mg/Kg	☼	08/24/17 07:56	08/24/17 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		08/22/17 13:00	08/23/17 12:13	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		08/21/17 12:00	08/22/17 11:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	16	5.4	ug/Kg	☼	08/23/17 10:00	08/23/17 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.20	0.20	SU			08/23/17 07:31	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(0-4)-081717

Lab Sample ID: 500-132824-18

Date Collected: 08/17/17 13:30

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 78.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	40		18	7.8	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,3-Dichloropropane, Total	<1.8		1.8	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Methyl Ethyl Ketone	3.1 J		4.5	2.0	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/18/17 08:00	08/23/17 08:44	1
Dibromofluoromethane	99		75 - 126	08/18/17 08:00	08/23/17 08:44	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	08/18/17 08:00	08/23/17 08:44	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 08:44	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	☼	08/25/17 07:08	08/28/17 17:26	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(0-4)-081717

Lab Sample ID: 500-132824-18

Date Collected: 08/17/17 13:30

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 78.8

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	☼	08/25/17 07:08	08/28/17 17:26	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2,4-Dinitrophenol	<840		840	740	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2-Methylnaphthalene	<84		84	7.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2-Methylphenol	<210		210	67	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4,6-Dinitro-2-methylphenol	<840		840	340	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Anthracene	<41		41	7.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Benzo[a]anthracene	16 J		41	5.6	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Benzo[a]pyrene	21 J		41	8.1	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Benzo[b]fluoranthene	<41		41	9.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Carbazole	<210		210	100	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Chrysene	23 J		41	11	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Dibenzofuran	<210		210	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Fluoranthene	36 J		41	7.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Fluorene	<41		41	5.9	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Hexachloroethane	<210		210	63	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(0-4)-081717

Lab Sample ID: 500-132824-18

Date Collected: 08/17/17 13:30

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 78.8

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	12	J	41	11	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Isophorone	<210		210	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Naphthalene	<41		41	6.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Nitrobenzene	<41		41	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Phenanthrene	26	J	41	5.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Phenol	<210		210	93	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Pyrene	35	J	41	8.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		25 - 139				08/25/17 07:08	08/28/17 17:26	1
2-Fluorobiphenyl	72		44 - 121				08/25/17 07:08	08/28/17 17:26	1
2-Fluorophenol	87		46 - 133				08/25/17 07:08	08/28/17 17:26	1
Nitrobenzene-d5	68		41 - 120				08/25/17 07:08	08/28/17 17:26	1
Phenol-d5	84		46 - 125				08/25/17 07:08	08/28/17 17:26	1
Terphenyl-d14	86		35 - 160				08/25/17 07:08	08/28/17 17:26	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Barium	0.39	J	0.50	0.050	mg/L		08/24/17 09:31	08/24/17 17:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/17 09:31	08/24/17 17:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/17 09:31	08/24/17 17:19	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Cobalt	0.041		0.025	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Copper	0.011	J	0.025	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Iron	0.86		0.40	0.20	mg/L		08/28/17 08:28	08/28/17 16:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/17 09:31	08/24/17 17:19	1
Manganese	5.0		0.025	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Nickel	0.018	J	0.025	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/17 09:31	08/24/17 17:19	1
Silver	<0.025		0.025	0.010	mg/L		08/24/17 09:31	08/24/17 17:19	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/17 09:31	08/24/17 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Barium	0.53		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:32	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:32	1
Chromium	0.096		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Cobalt	0.026		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Copper	0.13	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Iron	75		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:32	1
Lead	0.15		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:32	1
Manganese	1.6		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Nickel	0.065		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:32	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(0-4)-081717

Lab Sample ID: 500-132824-18

Date Collected: 08/17/17 13:30

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:32	1
Zinc	0.27	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.1	0.22	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Arsenic	3.1		0.56	0.19	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Barium	98		0.56	0.064	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Beryllium	0.57		0.22	0.052	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Cadmium	0.14	B	0.11	0.020	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Calcium	7800	B	11	1.9	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Chromium	13		0.56	0.28	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Cobalt	6.3		0.28	0.073	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Copper	14		0.56	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Iron	12000	B	11	5.8	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Lead	27		0.28	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Magnesium	4400	B	5.6	2.8	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Manganese	360	B	0.56	0.081	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Nickel	14		0.56	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Potassium	1000		28	9.9	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Selenium	0.36	J	0.56	0.33	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Sodium	1900		56	8.3	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Vanadium	21		0.28	0.066	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	1
Zinc	51		1.1	0.49	mg/Kg	☼	08/24/17 07:56	08/24/17 16:37	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		08/22/17 13:00	08/23/17 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	78		20	6.6	ug/Kg	☼	08/23/17 10:00	08/23/17 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.4		0.20	0.20	SU			08/23/17 07:35	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(4-5)-081717

Lab Sample ID: 500-132824-19

Date Collected: 08/17/17 13:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 79.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22		19	8.3	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Benzene	<1.9		1.9	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Bromoform	<1.9		1.9	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Bromomethane	<4.8		4.8	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Carbon disulfide	<4.8		4.8	1.0	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Chlorobenzene	<1.9		1.9	0.71	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Chloroethane	<4.8		4.8	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Chloromethane	<4.8		4.8	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
cis-1,3-Dichloropropene	<1.9		1.9	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Dibromochloromethane	<1.9		1.9	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,1-Dichloroethane	<1.9		1.9	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,2-Dichloroethane	<4.8		4.8	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,1-Dichloroethene	<1.9		1.9	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,3-Dichloropropane, Total	<1.9		1.9	0.67	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Ethylbenzene	<1.9		1.9	0.92	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
2-Hexanone	<4.8		4.8	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Methylene Chloride	<4.8		4.8	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Methyl Ethyl Ketone	<4.8		4.8	2.1	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
methyl isobutyl ketone	<4.8		4.8	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Styrene	<1.9		1.9	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Tetrachloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
trans-1,2-Dichloroethene	<1.9		1.9	0.85	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
trans-1,3-Dichloropropene	<1.9		1.9	0.67	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,1,1-Trichloroethane	<1.9		1.9	0.64	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
1,1,2-Trichloroethane	<1.9		1.9	0.82	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Trichloroethene	<1.9		1.9	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Vinyl chloride	<1.9		1.9	0.85	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/18/17 08:00	08/23/17 09:09	1
Dibromofluoromethane	105		75 - 126	08/18/17 08:00	08/23/17 09:09	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/18/17 08:00	08/23/17 09:09	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 09:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(4-5)-081717

Lab Sample ID: 500-132824-19

Date Collected: 08/17/17 13:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2-Methylphenol	<200		200	65	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4,6-Dinitro-2-methylphenol	<820		820	320	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
4-Nitrophenol	<820		820	380	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Anthracene	<40		40	6.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Carbazole	<200		200	100	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Chrysene	<40		40	11	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Dibenzofuran	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Fluorene	<40		40	5.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Hexachloroethane	<200		200	61	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(4-5)-081717

Lab Sample ID: 500-132824-19

Date Collected: 08/17/17 13:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Isophorone	<200		200	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Naphthalene	<40		40	6.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Nitrobenzene	<40		40	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Phenol	<200		200	90	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Pyrene	<40		40	8.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		25 - 139				08/25/17 07:08	08/28/17 17:51	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 07:08	08/28/17 17:51	1
2-Fluorophenol	106		46 - 133				08/25/17 07:08	08/28/17 17:51	1
Nitrobenzene-d5	84		41 - 120				08/25/17 07:08	08/28/17 17:51	1
Phenol-d5	94		46 - 125				08/25/17 07:08	08/28/17 17:51	1
Terphenyl-d14	99		35 - 160				08/25/17 07:08	08/28/17 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		08/23/17 09:22	08/24/17 00:53	1
Barium	0.38	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:53	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:53	1
Cobalt	0.041		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:53	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:53	1
Iron	0.75		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:53	1
Manganese	5.7		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:53	1
Nickel	0.019	J	0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:53	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:53	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:53	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Barium	1.1		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:44	1
Beryllium	0.0069		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:44	1
Chromium	0.19		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Cobalt	0.058		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Copper	0.20	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Iron	190		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:44	1
Lead	0.095		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:44	1
Manganese	2.1		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Nickel	0.13		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:44	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CB-2(4-5)-081717

Lab Sample ID: 500-132824-19

Date Collected: 08/17/17 13:35

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:44	1
Zinc	0.52		0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.33	J	1.3	0.24	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Arsenic	3.4		0.63	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Barium	98		0.63	0.071	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Beryllium	0.63		0.25	0.059	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Cadmium	<0.13		0.13	0.023	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Calcium	2200	B	13	2.1	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Chromium	16		0.63	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Cobalt	9.3		0.31	0.082	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Copper	9.8		0.63	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Iron	15000	B	13	6.5	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Lead	9.6		0.31	0.14	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Magnesium	2500	B	6.3	3.1	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Manganese	220	B	0.63	0.091	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Nickel	17		0.63	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Potassium	920		31	11	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Selenium	<0.63		0.63	0.37	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Silver	<0.31		0.31	0.081	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Sodium	1300		63	9.3	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Thallium	<0.63		0.63	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Vanadium	22		0.31	0.074	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1
Zinc	48		1.3	0.55	mg/Kg	☼	08/24/17 07:56	08/24/17 16:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	39		19	6.2	ug/Kg	☼	08/23/17 10:00	08/23/17 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.20	0.20	SU			08/23/17 07:38	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F4	MS/MSD RPD exceeds control limits due to sample size difference.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132824-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132824 COC

Report To (optional)
Contact: S. Bahusikumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative							Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Parameter							Comments		
Project Location/State		Lab Project #									
Sampler		Lab PM									
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	NOCS	SVOCs	TOTAL METALS	TRU/SPUR METALS	pH
			Date	Time							
1		AL10-1(0-6.6)-081717	8/17/17	0820	5	S	X	X	X	X	X
2		AL10-2(0-6.6)-081717		0849							
3		AL10-1(0-6.6)-081717D		0820							
4		AL10-3(0-6.6)-081717		0915							
5		AL10-4(0-6.6)-081717		0935							
6		AL10-5(0-6.6)-081717		0955							
7		AL10-6(0-6.6)-081717		1015							
8		AL10-7(0-6.6)-081717		1035							
9		CC-1(0-3.6)-081717		1055							
10		CC-2(0-3.6)-081717	8/17/17	1105	5	S	X	X	X	X	X

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By <u>[Signature]</u> Company <u>Weston</u>	Date <u>8/17/17</u>	Time <u>1505</u>	Received By <u>[Signature]</u> Company <u>TA</u>	Date <u>8/17/17</u>	Time <u>1505</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u>	Date <u>8/17/17</u>	Time <u>1820</u>	Received By <u>[Signature]</u> Company <u>TA-CPD</u>	Date <u>8/18/17</u>	Time <u>0715</u>
Relinquished By	Date	Time	Received By	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions		02056.0									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
IDOT 060-US20 at Harmony Rd											
Project Location/State		Lab Project #		Date		Time		# of Containers		Matrix	
Coral Township, IL											
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
M. Doherty-Skubic		D. Wright									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUCCS	TOTAL METALS	TRU/SIG METALS	PH
11		R14-1(0-5.1)-081717	8/17/17	1155	5	S	X	X	X	X	X
12		R14-2(0-5.1)-081717		1220							
13		R14-2(0-5.1)-081717D		1220							
14		R14-3(0-5.1)-081717		1238							
15		R14-4(0-5.1)-081717		1255							
16		CB-1(0-4)-081717		1310							
17		CB-1(4-5)-081717		1315							
18		CB-2(0-4)-081717		1330							
19		CB-2(4-5)-081717	8/17/17	1335	5	S	X	X	X	X	X
LAST REMARK											

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

Turnaround Time Required (Business Days) _____
Requested Due Date _____
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-Skubic</u> Company: <u>Weston</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Received By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1820</u>	Received By: <u>Admin</u> Company: <u>TA-CPE</u> Date: <u>8/18/17</u> Time: <u>0715</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____
Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-132888-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:

8/29/2017 4:40:49 PM

Richard Wright, Senior Project Manager

(708)534-5200

richard.wright@testamericainc.com

LINKS

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www.testamericainc.com

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

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

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

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

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(0-4)-081817

Lab Sample ID: 500-132888-1

Date Collected: 08/18/17 08:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Bromomethane	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/19/17 12:20	08/23/17 19:04	1
Dibromofluoromethane	97		75 - 126	08/19/17 12:20	08/23/17 19:04	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	08/19/17 12:20	08/23/17 19:04	1
Toluene-d8 (Surr)	96		75 - 124	08/19/17 12:20	08/23/17 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(0-4)-081817

Lab Sample ID: 500-132888-1

Date Collected: 08/18/17 08:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,4-Dinitrophenol	<720	F1	720	630	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2-Methylnaphthalene	<72		72	6.5	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
3-Nitroaniline	<350	F1 F2	350	110	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4,6-Dinitro-2-methylphenol	<720	F1	720	290	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Benzo[b]fluoranthene	<35		35	7.7	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Benzo[g,h,i]perylene	<35	F1 F2	35	11	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Carbazole	<180		180	89	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Chrysene	<35		35	9.7	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Dibenz(a,h)anthracene	<35	F1	35	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Hexachlorocyclopentadiene	<720	F1	720	200	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(0-4)-081817

Lab Sample ID: 500-132888-1

Date Collected: 08/18/17 08:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35	F1	35	9.2	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
N-Nitrosodi-n-propylamine	<72		72	43	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Pentachlorophenol	<720	F1	720	570	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Phenol	<180		180	79	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Pyrene	<35		35	7.1	ug/Kg	☼	08/25/17 11:55	08/28/17 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		25 - 139				08/25/17 11:55	08/28/17 19:13	1
2-Fluorobiphenyl	72		44 - 121				08/25/17 11:55	08/28/17 19:13	1
2-Fluorophenol	102		46 - 133				08/25/17 11:55	08/28/17 19:13	1
Nitrobenzene-d5	75		41 - 120				08/25/17 11:55	08/28/17 19:13	1
Phenol-d5	83		46 - 125				08/25/17 11:55	08/28/17 19:13	1
Terphenyl-d14	96		35 - 160				08/25/17 11:55	08/28/17 19:13	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		08/23/17 09:24	08/24/17 01:27	1
Barium	0.24	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 01:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 01:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 01:27	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:27	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:27	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:27	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 01:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 01:27	1
Manganese	0.55		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:27	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:27	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 01:27	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:27	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Barium	0.18	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 00:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 00:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 00:54	1
Chromium	0.038		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Copper	0.040		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Iron	29		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 00:54	1
Lead	0.014		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 00:54	1
Manganese	0.18		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Nickel	0.028		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 00:54	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(0-4)-081817

Lab Sample ID: 500-132888-1

Date Collected: 08/18/17 08:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:54	1
Zinc	0.058	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 00:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.91	J B F1	1.1	0.21	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Arsenic	1.7		0.55	0.19	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Barium	28		0.55	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Beryllium	0.38		0.22	0.051	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Cadmium	0.081	J B	0.11	0.020	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Calcium	100000	B	55	9.3	mg/Kg	☼	08/24/17 10:30	08/25/17 12:35	5
Chromium	10	F1	0.55	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Cobalt	4.9		0.27	0.072	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Copper	9.8		0.55	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Iron	9200		11	5.7	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Lead	4.7	F1	0.27	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Magnesium	36000	B	5.5	2.7	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Manganese	230		0.55	0.080	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Nickel	12		0.55	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Potassium	1500	F1	140	49	mg/Kg	☼	08/24/17 10:30	08/25/17 12:35	5
Selenium	<0.55	F1	0.55	0.32	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Sodium	450		55	8.1	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Thallium	<0.55	F1	0.55	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Vanadium	14		0.27	0.065	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	1
Zinc	22	B	1.1	0.48	mg/Kg	☼	08/24/17 10:30	08/24/17 18:57	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		08/22/17 13:00	08/23/17 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	17	5.7	ug/Kg	☼	08/23/17 10:00	08/23/17 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/23/17 07:40	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(4-9.5)-081817

Lab Sample ID: 500-132888-2

Date Collected: 08/18/17 08:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Bromomethane	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	08/19/17 12:20	08/23/17 19:29	1
Dibromofluoromethane	95		75 - 126	08/19/17 12:20	08/23/17 19:29	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	08/19/17 12:20	08/23/17 19:29	1
Toluene-d8 (Surr)	99		75 - 124	08/19/17 12:20	08/23/17 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(4-9.5)-081817

Lab Sample ID: 500-132888-2

Date Collected: 08/18/17 08:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Anthracene	<35		35	6.0	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Benzo[b]fluoranthene	<35		35	7.7	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Carbazole	<180		180	89	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Chrysene	<35		35	9.7	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(4-9.5)-081817

Lab Sample ID: 500-132888-2

Date Collected: 08/18/17 08:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.2	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Phenol	<180		180	79	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Pyrene	<35		35	7.1	ug/Kg	☼	08/25/17 11:55	08/28/17 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	107		25 - 139				08/25/17 11:55	08/28/17 19:42	1
2-Fluorobiphenyl	95		44 - 121				08/25/17 11:55	08/28/17 19:42	1
2-Fluorophenol	123		46 - 133				08/25/17 11:55	08/28/17 19:42	1
Nitrobenzene-d5	95		41 - 120				08/25/17 11:55	08/28/17 19:42	1
Phenol-d5	99		46 - 125				08/25/17 11:55	08/28/17 19:42	1
Terphenyl-d14	111		35 - 160				08/25/17 11:55	08/28/17 19:42	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Barium	0.26	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 01:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 01:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 01:31	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 01:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 01:31	1
Manganese	0.76		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 01:31	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:31	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Barium	0.28	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 00:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 00:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 00:58	1
Chromium	0.069		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Cobalt	0.013	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Copper	0.070		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Iron	55		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 00:58	1
Lead	0.025		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 00:58	1
Manganese	0.34		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Nickel	0.067		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 00:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CB-3(4-9.5)-081817

Lab Sample ID: 500-132888-2

Date Collected: 08/18/17 08:15

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 00:58	1
Zinc	0.11	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 00:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J B	1.1	0.22	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Arsenic	1.8		0.56	0.19	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Barium	23		0.56	0.064	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Beryllium	0.35		0.23	0.053	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Cadmium	0.064	J B	0.11	0.020	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Calcium	120000	B	56	9.6	mg/Kg	☼	08/24/17 10:30	08/25/17 13:02	5
Chromium	9.5		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Cobalt	4.3		0.28	0.074	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Copper	10		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Iron	8600		11	5.9	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Lead	3.5		0.28	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Magnesium	42000	B	5.6	2.8	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Manganese	200		0.56	0.082	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Nickel	11		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Potassium	1500		140	50	mg/Kg	☼	08/24/17 10:30	08/25/17 13:02	5
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Sodium	250		56	8.4	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Vanadium	14		0.28	0.067	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	1
Zinc	19	B	1.1	0.50	mg/Kg	☼	08/24/17 10:30	08/24/17 19:23	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		08/22/17 13:00	08/23/17 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.4	J	18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.20	0.20	SU			08/23/17 07:43	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132888-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132888 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number:
Page 1 of
Temperature °C of Cooler: 3, 2, 2, 1, 2, 4

Client		Client Project #		Preservative		Parameter					Preservative Key	
Weston Solutions		02056-014-060-0030										1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SLP Metals	
IDOT 060- US 20 at Harmony Rd				Date	Time							Comments
Lab ID	MS/MSD	Sample ID										
1		OB-3(0-4)-081817	8/18/17	0810	5	S	X	X	X	X	X	
2		CB-3(4-9.5)-081817		0815								
3		R14-5(0-5.1)-081817		0828								
4		R14-6(0-5.1)-081817		0845								
5		R14-6(0-5.1)-081817D		0845								
6		R14-7(0-5.1)-081817		0900								
7		R14-8(0-5.1)-081817		0913								
8		CC-3(0-3.6)-081817		0930								
9		VL16-1(0-6)-081817	↓	0955	↓	↓	↓	↓	↓	↓	↓	
10		VL16-2(0-6)-081817	8/18/17	1010	5	S	X	X	X	X	X	

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

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1455</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRA</u> Date: <u>8/19/17</u> Time: <u>0800</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. Babouskumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Containers		Matrix			
Project Location/State		Lab PM		Date	Time	# of	Matrix				
Lab ID	MS/MSD	Sample ID								Comments	
Neston Solutions		02056-014-060-0020									
IDOT 060- US80 at Harmony Road											
Coral Township, IL		D. Wright									
M. Doherty-Skubic											
11		VL16-3(0-6)-081817	8/18/17	1025	5	S	X	X	X	X	
12		VL7-1(0-2)-081817		1100							
13		VL-2(0-6)-081817		1115							
14		VL-2(6-12)-081817		1120							
15		VL-3(0-6)-081817		1143							
16		VL-3(6-12)-081817		1155							
17		VL-3(6-12)-081817		1155							
18		VL-3(0-6)-081817		1215							
19		VL-3(6-12)-081817		1220							
20		VL-4(0-6)-081817	8/18/17	1250	5	S	X	X	X	X	

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

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

Relinquished By: <u>M. Doherty-Skubic</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1955</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>Shawn Scott</u> Company: <u>TA-CHT</u> Date: <u>8/19/17</u> Time: <u>0800</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

11620 US 20 and 16803 Harmony Road, (ISGS Site No. 2386V-14)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.160308263 Longitude: -88.525954557
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

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

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

Contact: Sam Mead

Contact: Sam Mead

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

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

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

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160308263 Longitude: -88.525954557

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 R14-1 AND R14-3 THROUGH R14-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-14. SEE FIGURES 3-1/3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORTS - JOB IDs: 500-132824-1 and 500-132888-1. ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael Castillo, 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: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

Michael Castillo, P.G.
 Printed Name:

Michael Castillo

21 November 2017

Date:



Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

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

Summary Table of ISGS Site No. 2386V-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	R14-1(0-5.1)-081717	R14-3(0-5.1)-081717	R14-4(0-5.1)-081717	R14-5(0-5.1)-081817	R14-6(0-5.1)-081817	R14-6(0-5.1)-081817D	R14-7(0-5.1)-081817	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/17/2017	8/17/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	
Location ID	R14-1	R14-3	R14-4	R14-5	R14-6	R14-6	R14-7	
Depth	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	
ISGS Site No.	2386V-14	2386V-14	2386V-14	2386V-14	2386V-14	2386V-14	2386V-14	
Parameter								
Laboratory pH	8.2	8.5	8.6	8.1	8.0	7.9	8.5	<6.5; >9.0
VOCs (ug/kg)	No Exceedances							
SVOCs (ug/kg)	No Exceedances							
Total Metals (mg/kg)								
Antimony, Total	0.27 J	0.34 J	0.44 J	ND	ND	ND	ND	5
Arsenic, Total	4.4	3.3	2	1.7	1.9	1.8	1.8	11.3 / 13.0
Barium, Total	81	64	33	29	22	21	21	1500
Beryllium, Total	0.57	0.52	0.32	0.4	0.31	0.31	0.29	22
Cadmium, Total	ND	ND	ND	ND	ND	ND	ND	5.2
Calcium, Total	2800 B	11000 B	68000 B	110000 B	110000 B	95000 B	110000 B	---
Chromium, Total	14	15	8.3	11	16	9.8	7.8	21
Cobalt, Total	7.1	9.3	3.5	6.1	4.9	4.4	4.4	20
Copper, Total	13	13	10	11	10	10	9.9	2900
Iron, Total	15000 B	14000 B	7600 B	9500	8800	8500	7600	15000 / 15900
Lead, Total	12	8.5	28	4.4	3.9	3.6	3.1	107
Magnesium, Total	3000 B	8700 B	17000 B	36000 B	43000 B	38000 B	37000 B	325000
Manganese, Total	260 B	450 B	150 B	210	200	190	200	630 / 636
Mercury, Total	0.037	0.023	0.028	0.013 J	0.011 J	0.0091 J	0.011 J	0.89
Nickel, Total	16	23	9.2	14	14	12	9.8	100
Potassium, Total	720	850	700	1900	1400	1200	1200	---
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	1.3
Sodium, Total	940	580	400	260	300	290	160	---
Vanadium, Total	23	22	14	15	14	14	13	550
Zinc, Total	45	36	50	22 B	19 B	29 B	20 B	5100
TCLP Metals (mg/l)								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.42 J	0.46 J	0.53	0.29 J	0.23 J	0.22 J	0.23 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.0021 J	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.018 J	ND	ND	ND	ND	1
Copper, TCLP	0.016 J	ND	0.023 J	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.23 J	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	0.01	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.14	0.43	4.5	0.72	0.77	0.78	0.66	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	0.011 J	ND	ND	0.011 J	ND	0.1
Zinc, TCLP	0.023 J	ND	0.16 J	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 2386V-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	R14-1(0-5.1)-081717	R14-3(0-5.1)-081717	R14-4(0-5.1)-081717	R14-5(0-5.1)-081817	R14-6(0-5.1)-081817	R14-6(0-5.1)-081817D	R14-7(0-5.1)-081817	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/17/2017	8/17/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	
Location ID	R14-1	R14-3	R14-4	R14-5	R14-6	R14-6	R14-7	
Depth	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	0 - 5.1	
ISGS Site No.	2386V-14	2386V-14	2386V-14	2386V-14	2386V-14	2386V-14	2386V-14	
SPLP Metals (mg/l)								
Arsenic, SPLP	0.034 J	0.022 J	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.7	1.1	0.22 J	0.13 J	ND	ND	0.2 J	2
Beryllium, SPLP	0.0048	0.0082	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.12	0.23	0.062	0.022 J	ND	ND	0.043	0.1
Cobalt, SPLP	0.017 J	0.034	ND	ND	ND	ND	ND	1
Copper, SPLP	0.15 B	0.19 B	0.057 B	0.022 J	ND	ND	0.053	0.65
Iron, SPLP	120	180	50	15	1.2	1.3	36	5
Lead, SPLP	0.06	0.059	0.076	0.0075	ND	ND	0.017	0.0075
Manganese, SPLP	0.75	0.78	0.4	0.087	ND	ND	0.22	0.15
Mercury, SPLP	0.0003	0.00045	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.099	0.2	0.043	0.013 J	ND	ND	0.036	0.1
Zinc, SPLP	0.32 J	0.5	0.19 J	0.033 J	ND	ND	0.083 J	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

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: 500-132824-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 1:41:14 PM

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

LINKS

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-1(0-5.1)-081717

Lab Sample ID: 500-132824-11

Date Collected: 08/17/17 11:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 81.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.7	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,3-Dichloropropane, Total	<1.8		1.8	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1
Xylenes, Total	<3.5		3.5	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/18/17 08:00	08/23/17 05:49	1
Dibromofluoromethane	98		75 - 126	08/18/17 08:00	08/23/17 05:49	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	08/18/17 08:00	08/23/17 05:49	1
Toluene-d8 (Surr)	102		75 - 124	08/18/17 08:00	08/23/17 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-1(0-5.1)-081717

Lab Sample ID: 500-132824-11

Date Collected: 08/17/17 11:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2-Methylphenol	<200		200	65	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Anthracene	<40		40	6.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Benzo[a]anthracene	7.2 J		40	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Carbazole	<200		200	100	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Chrysene	<40		40	11	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Dibenzofuran	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Fluorene	<40		40	5.7	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Hexachloroethane	<200		200	62	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-1(0-5.1)-081717

Lab Sample ID: 500-132824-11

Date Collected: 08/17/17 11:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Isophorone	<200		200	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Naphthalene	<40		40	6.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Nitrobenzene	<40		40	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Phenol	<200		200	90	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Pyrene	<40		40	8.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		25 - 139				08/25/17 07:08	08/28/17 17:40	1
2-Fluorobiphenyl	83		44 - 121				08/25/17 07:08	08/28/17 17:40	1
2-Fluorophenol	112		46 - 133				08/25/17 07:08	08/28/17 17:40	1
Nitrobenzene-d5	82		41 - 120				08/25/17 07:08	08/28/17 17:40	1
Phenol-d5	101		46 - 125				08/25/17 07:08	08/28/17 17:40	1
Terphenyl-d14	86		35 - 160				08/25/17 07:08	08/28/17 17:40	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Barium	0.42	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Copper	0.016	J	0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:24	1
Manganese	0.14		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:24	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:24	1
Zinc	0.023	J	0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Barium	0.70		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:06	1
Beryllium	0.0048		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:06	1
Chromium	0.12		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Cobalt	0.017	J	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Copper	0.15	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Iron	120		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:06	1
Lead	0.060		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:06	1
Manganese	0.75		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Nickel	0.099		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-1(0-5.1)-081717

Lab Sample ID: 500-132824-11

Date Collected: 08/17/17 11:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:06	1
Zinc	0.32	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	0.98	0.19	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Arsenic	4.4		0.49	0.17	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Barium	81		0.49	0.056	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Beryllium	0.57		0.20	0.046	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Cadmium	0.037	J B	0.098	0.018	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Calcium	2800	B	9.8	1.7	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Chromium	14		0.49	0.24	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Cobalt	7.1		0.25	0.064	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Copper	13		0.49	0.14	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Iron	15000	B	9.8	5.1	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Lead	12		0.25	0.11	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Magnesium	3000	B	4.9	2.4	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Manganese	260	B	0.49	0.071	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Nickel	16		0.49	0.14	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Potassium	720		25	8.7	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Selenium	<0.49		0.49	0.29	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Silver	<0.25		0.25	0.063	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Sodium	940		49	7.3	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Vanadium	23		0.25	0.058	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	1
Zinc	45		0.98	0.43	mg/Kg	☼	08/24/17 07:56	08/24/17 15:55	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		08/22/17 13:00	08/23/17 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.30		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	37		19	6.4	ug/Kg	☼	08/23/17 10:00	08/23/17 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.20	0.20	SU			08/22/17 17:25	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-3(0-5.1)-081717

Lab Sample ID: 500-132824-14

Date Collected: 08/17/17 12:38

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.4	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	08/18/17 08:00	08/23/17 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	08/18/17 08:00	08/23/17 07:04	1
Dibromofluoromethane	100		75 - 126	08/18/17 08:00	08/23/17 07:04	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/18/17 08:00	08/23/17 07:04	1
Toluene-d8 (Surr)	98		75 - 124	08/18/17 08:00	08/23/17 07:04	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	42	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-3(0-5.1)-081717

Lab Sample ID: 500-132824-14

Date Collected: 08/17/17 12:38

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Anthracene	<39		39	6.6	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Carbazole	<200		200	98	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Chrysene	<39		39	11	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-3(0-5.1)-081717

Lab Sample ID: 500-132824-14

Date Collected: 08/17/17 12:38

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Isophorone	<200		200	44	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Phenol	<200		200	87	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Pyrene	<39		39	7.8	ug/Kg	☼	08/25/17 07:08	08/28/17 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		25 - 139				08/25/17 07:08	08/28/17 14:43	1
2-Fluorobiphenyl	84		44 - 121				08/25/17 07:08	08/28/17 14:43	1
2-Fluorophenol	132		46 - 133				08/25/17 07:08	08/28/17 14:43	1
Nitrobenzene-d5	79		41 - 120				08/25/17 07:08	08/28/17 14:43	1
Phenol-d5	100		46 - 125				08/25/17 07:08	08/28/17 14:43	1
Terphenyl-d14	95		35 - 160				08/25/17 07:08	08/28/17 14:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Barium	0.46	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:36	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:36	1
Manganese	0.43		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:36	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:36	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Barium	1.1		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:17	1
Beryllium	0.0082		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:17	1
Chromium	0.23		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Cobalt	0.034		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Copper	0.19	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Iron	180		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:17	1
Lead	0.059		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:17	1
Manganese	0.78		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Nickel	0.20		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-3(0-5.1)-081717

Lab Sample ID: 500-132824-14

Date Collected: 08/17/17 12:38

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:17	1
Zinc	0.50		0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	0.96	0.19	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Arsenic	3.3		0.48	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Barium	64		0.48	0.055	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Beryllium	0.52		0.19	0.045	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Cadmium	0.054	J B	0.096	0.017	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Calcium	11000	B	9.6	1.6	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Chromium	15		0.48	0.24	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Cobalt	9.3		0.24	0.063	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Copper	13		0.48	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Iron	14000	B	9.6	5.0	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Lead	8.5		0.24	0.11	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Magnesium	8700	B	4.8	2.4	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Manganese	450	B	0.48	0.069	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Nickel	23		0.48	0.14	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Potassium	850		24	8.5	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Selenium	<0.48		0.48	0.28	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Silver	<0.24		0.24	0.062	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Sodium	580		48	7.1	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Thallium	<0.48		0.48	0.24	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Vanadium	22		0.24	0.057	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1
Zinc	36		0.96	0.42	mg/Kg	☼	08/24/17 07:56	08/24/17 16:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.45		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	6.2	ug/Kg	☼	08/23/17 10:00	08/23/17 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.20	0.20	SU			08/22/17 17:33	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-4(0-5.1)-081717

Lab Sample ID: 500-132824-15

Date Collected: 08/17/17 12:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.6	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Dibromochloromethane	<1.8		1.8	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,1-Dichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,3-Dichloropropane, Total	<1.8		1.8	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Methyl tert-butyl ether	<1.8		1.8	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/18/17 08:00	08/23/17 07:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/18/17 08:00	08/23/17 07:29	1
Dibromofluoromethane	103		75 - 126	08/18/17 08:00	08/23/17 07:29	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/18/17 08:00	08/23/17 07:29	1
Toluene-d8 (Surr)	97		75 - 124	08/18/17 08:00	08/23/17 07:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-4(0-5.1)-081717

Lab Sample ID: 500-132824-15

Date Collected: 08/17/17 12:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2-Methylnaphthalene	13	J	75	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Anthracene	19	J	37	6.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Benzo[a]anthracene	81		37	5.0	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Benzo[a]pyrene	84		37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Benzo[b]fluoranthene	140		37	8.1	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Benzo[g,h,i]perylene	33	J	37	12	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Benzo[k]fluoranthene	54		37	11	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Chrysene	100		37	10	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Dibenz(a,h)anthracene	15	J	37	7.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Fluoranthene	170		37	6.9	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Fluorene	7.1	J	37	5.3	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-4(0-5.1)-081717

Lab Sample ID: 500-132824-15

Date Collected: 08/17/17 12:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	35	J	37	9.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Naphthalene	8.6	J	37	5.7	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Phenanthrene	120		37	5.2	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Phenol	<190		190	83	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Pyrene	170		37	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		25 - 139				08/25/17 07:08	08/28/17 18:16	1
2-Fluorobiphenyl	82		44 - 121				08/25/17 07:08	08/28/17 18:16	1
2-Fluorophenol	103		46 - 133				08/25/17 07:08	08/28/17 18:16	1
Nitrobenzene-d5	79		41 - 120				08/25/17 07:08	08/28/17 18:16	1
Phenol-d5	93		46 - 125				08/25/17 07:08	08/28/17 18:16	1
Terphenyl-d14	98		35 - 160				08/25/17 07:08	08/28/17 18:16	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		08/23/17 09:22	08/24/17 00:40	1
Barium	0.53		0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:40	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:40	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:40	1
Cobalt	0.018	J	0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:40	1
Copper	0.023	J	0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:40	1
Iron	0.23	J	0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:40	1
Lead	0.010		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:40	1
Manganese	4.5		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:40	1
Nickel	0.011	J	0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:40	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:40	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:40	1
Zinc	0.16	J	0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Barium	0.22	J	0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:21	1
Chromium	0.062		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Copper	0.057	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Iron	50		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:21	1
Lead	0.076		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:21	1
Manganese	0.40		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Nickel	0.043		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: R14-4(0-5.1)-081717

Lab Sample ID: 500-132824-15

Date Collected: 08/17/17 12:55

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:21	1
Zinc	0.19	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	0.92	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Arsenic	2.0		0.46	0.16	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Barium	33		0.46	0.053	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Beryllium	0.32		0.18	0.043	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Cadmium	0.12	B	0.092	0.017	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Calcium	68000	B	92	16	mg/Kg	☼	08/24/17 07:56	08/25/17 14:00	10
Chromium	8.3		0.46	0.23	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Cobalt	3.5		0.23	0.061	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Copper	10		0.46	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Iron	7600	B	9.2	4.8	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Lead	28		0.23	0.11	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Magnesium	17000	B	4.6	2.3	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Manganese	150	B	0.46	0.067	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Nickel	9.2		0.46	0.13	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Potassium	700		23	8.2	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Selenium	<0.46		0.46	0.27	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Silver	<0.23		0.23	0.060	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Sodium	400		46	6.8	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Thallium	<0.46		0.46	0.23	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Vanadium	14		0.23	0.055	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1
Zinc	50		0.92	0.41	mg/Kg	☼	08/24/17 07:56	08/24/17 16:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	5.9	ug/Kg	☼	08/23/17 10:00	08/23/17 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/22/17 17:35	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F4	MS/MSD RPD exceeds control limits due to sample size difference.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132824-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-132824 COC

Report To (optional)
Contact: S. Bahusikumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 21.21

Client		Client Project #		Preservative							Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Parameter							Comments		
Project Location/State		Lab Project #									
Sampler		Lab PM									
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	NOCS	SVOCs	TOTAL METALS	TRU/SPUR METALS	pH
			Date	Time							
1		AL10-1(0-6.6)-081717	8/17/17	0820	5	S	X	X	X	X	X
2		AL10-2(0-6.6)-081717		0849							
3		AL10-1(0-6.6)-081717D		0820							
4		AL10-3(0-6.6)-081717		0915							
5		AL10-4(0-6.6)-081717		0935							
6		AL10-5(0-6.6)-081717		0955							
7		AL10-6(0-6.6)-081717		1015							
8		AL10-7(0-6.6)-081717		1035							
9		CC-1(0-3.6)-081717		1055							
10		CC-2(0-3.6)-081717	8/17/17	1105	5	S	X	X	X	X	X

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By <u>[Signature]</u> Company <u>Weston</u>	Date <u>8/17/17</u>	Time <u>1505</u>	Received By <u>[Signature]</u> Company <u>TA</u>	Date <u>8/17/17</u>	Time <u>1505</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u>	Date <u>8/17/17</u>	Time <u>1820</u>	Received By <u>[Signature]</u> Company <u>TA-CPD</u>	Date <u>8/18/17</u>	Time <u>0715</u>
Relinquished By	Date	Time	Received By	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Baburkumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative		Parameter		VOCs	SVOCs	TOTAL METALS	TRC/SQB METALS	PH	Comments
Project Name		Lab Project #		Sampler		Lab PM							
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix							
Weston Solutions		02056.0											
IDOT 060-US20 at Harmony Rd													
Coral Township, IL				M. Doherty-Skubic		D. Wright							
11		R14-1(0-5.1)-081717	8/17/17	1155	5	S	X	X	X	X	X		
12		R14-2(0-5.1)-081717		1220									
13		R14-2(0-5.1)-081717D		1220									
14		R14-3(0-5.1)-081717		1238									
15		R14-4(0-5.1)-081717		1255									
16		CB-1(0-4)-081717		1310									
17		CB-1(4-5)-081717		1315									
18		CB-2(0-4)-081717		1330									
19		CB-2(4-5)-081717	8/17/17	1335	5	S	X	X	X	X	X		
*LAST REMAR													MS

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

Relinquished By <u>M. Doherty-Skubic</u> Company <u>Weston</u> Date <u>8/17/17</u> Time <u>1505</u>	Received By <u>P. Neal</u> Company <u>TA</u> Date <u>8/17/17</u> Time <u>1505</u>	Lab Courier <u>7A</u>
Relinquished By <u>P. Neal</u> Company <u>TA</u> Date <u>8/17/17</u> Time <u>1820</u>	Received By <u>ADMIN</u> Company <u>TA-CRE</u> Date <u>8/18/17</u> Time <u>0715</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-132888-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

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

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 4:40:49 PM

Richard Wright, Senior Project Manager
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LINKS

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Have a Question?



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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 - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-5(0-5.1)-081817

Lab Sample ID: 500-132888-3

Date Collected: 08/18/17 08:28

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.8	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,1-Dichloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/19/17 12:20	08/23/17 19:55	1
Dibromofluoromethane	104		75 - 126	08/19/17 12:20	08/23/17 19:55	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/19/17 12:20	08/23/17 19:55	1
Toluene-d8 (Surr)	90		75 - 124	08/19/17 12:20	08/23/17 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-5(0-5.1)-081817

Lab Sample ID: 500-132888-3

Date Collected: 08/18/17 08:28

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Carbazole	<180		180	91	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Chrysene	<36		36	10	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-5(0-5.1)-081817

Lab Sample ID: 500-132888-3

Date Collected: 08/18/17 08:28

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Isophorone	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Phenanthrene	<36		36	5.1	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Phenol	<180		180	81	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1
Pyrene	<36		36	7.3	ug/Kg	☼	08/25/17 11:55	08/28/17 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		25 - 139	08/25/17 11:55	08/28/17 20:12	1
2-Fluorobiphenyl	89		44 - 121	08/25/17 11:55	08/28/17 20:12	1
2-Fluorophenol	118		46 - 133	08/25/17 11:55	08/28/17 20:12	1
Nitrobenzene-d5	91		41 - 120	08/25/17 11:55	08/28/17 20:12	1
Phenol-d5	91		46 - 125	08/25/17 11:55	08/28/17 20:12	1
Terphenyl-d14	124		35 - 160	08/25/17 11:55	08/28/17 20:12	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		08/23/17 09:24	08/24/17 01:35	1
Barium	0.29	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 01:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 01:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 01:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:35	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:35	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 01:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 01:35	1
Manganese	0.72		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:35	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 01:35	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:35	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 01:35	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		08/23/17 09:27	08/24/17 01:02	1
Barium	0.13	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:02	1
Chromium	0.022	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:02	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:02	1
Copper	0.022	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:02	1
Iron	15		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:02	1
Lead	0.0075		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:02	1
Manganese	0.087		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:02	1
Nickel	0.013	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:02	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-5(0-5.1)-081817

Lab Sample ID: 500-132888-3

Date Collected: 08/18/17 08:28

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:02	1
Zinc	0.033	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Arsenic	1.7		0.51	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Barium	29		0.51	0.059	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Beryllium	0.40		0.21	0.048	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Cadmium	0.080	J B	0.10	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Calcium	110000	B	51	8.7	mg/Kg	☼	08/24/17 10:30	08/25/17 13:05	5
Chromium	11		0.51	0.25	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Cobalt	6.1		0.26	0.067	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Copper	11		0.51	0.14	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Iron	9500		10	5.4	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Lead	4.4		0.26	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Magnesium	36000	B	5.1	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Manganese	210		0.51	0.075	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Nickel	14		0.51	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Potassium	1900		130	46	mg/Kg	☼	08/24/17 10:30	08/25/17 13:05	5
Selenium	<0.51		0.51	0.30	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Silver	<0.26		0.26	0.066	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Sodium	260		51	7.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Thallium	<0.51		0.51	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Vanadium	15		0.26	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1
Zinc	22	B	1.0	0.45	mg/Kg	☼	08/24/17 10:30	08/24/17 19:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.20	0.20	SU			08/23/17 07:45	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817

Lab Sample ID: 500-132888-4

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.6	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/19/17 12:20	08/23/17 20:20	1
Dibromofluoromethane	100		75 - 126	08/19/17 12:20	08/23/17 20:20	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	08/19/17 12:20	08/23/17 20:20	1
Toluene-d8 (Surr)	97		75 - 124	08/19/17 12:20	08/23/17 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817

Lab Sample ID: 500-132888-4

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2-Methylnaphthalene	<71		71	6.5	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Carbazole	<180		180	88	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Chrysene	<35		35	9.7	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817

Lab Sample ID: 500-132888-4

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.2	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Phenol	<180		180	79	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Pyrene	<35		35	7.0	ug/Kg	☼	08/25/17 11:55	08/28/17 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		25 - 139				08/25/17 11:55	08/28/17 20:41	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 11:55	08/28/17 20:41	1
2-Fluorophenol	119		46 - 133				08/25/17 11:55	08/28/17 20:41	1
Nitrobenzene-d5	88		41 - 120				08/25/17 11:55	08/28/17 20:41	1
Phenol-d5	89		46 - 125				08/25/17 11:55	08/28/17 20:41	1
Terphenyl-d14	125		35 - 160				08/25/17 11:55	08/28/17 20:41	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		08/23/17 09:24	08/24/17 01:39	1
Barium	0.23	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 01:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 01:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 01:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:39	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:39	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 01:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 01:39	1
Manganese	0.77		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:39	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 01:39	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:39	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 01:39	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		08/23/17 09:27	08/24/17 01:06	1
Barium	<0.50		0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:06	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:06	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:06	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:06	1
Iron	1.2		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:06	1
Manganese	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:06	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:06	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817

Lab Sample ID: 500-132888-4

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:06	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Arsenic	1.9		0.54	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Barium	22		0.54	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Beryllium	0.31		0.21	0.050	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Cadmium	0.066	J B	0.11	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Calcium	110000	B	54	9.1	mg/Kg	☼	08/24/17 10:30	08/25/17 13:09	5
Chromium	16		0.54	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Cobalt	4.9		0.27	0.070	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Copper	10		0.54	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Iron	8800		11	5.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Lead	3.9		0.27	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Magnesium	43000	B	5.4	2.7	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Manganese	200		0.54	0.078	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Nickel	14		0.54	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Potassium	1400		130	47	mg/Kg	☼	08/24/17 10:30	08/25/17 13:09	5
Selenium	<0.54		0.54	0.31	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Sodium	300		54	7.9	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Vanadium	14		0.27	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1
Zinc	19	B	1.1	0.47	mg/Kg	☼	08/24/17 10:30	08/24/17 19:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	6.0	ug/Kg	☼	08/23/17 10:00	08/23/17 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.20	0.20	SU			08/23/17 07:48	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817D

Lab Sample ID: 500-132888-5

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.2	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Carbon disulfide	<3.6		3.6	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Chloromethane	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,1-Dichloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,3-Dichloropropene, Total	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Ethylbenzene	<1.4		1.4	0.68	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Styrene	<1.4		1.4	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
trans-1,2-Dichloroethene	<1.4		1.4	0.63	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
trans-1,3-Dichloropropene	<1.4		1.4	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
1,1,2-Trichloroethane	<1.4		1.4	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Trichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Vinyl chloride	<1.4		1.4	0.63	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/19/17 12:20	08/23/17 20:45	1
Dibromofluoromethane	102		75 - 126	08/19/17 12:20	08/23/17 20:45	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	08/19/17 12:20	08/23/17 20:45	1
Toluene-d8 (Surr)	96		75 - 124	08/19/17 12:20	08/23/17 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817D

Lab Sample ID: 500-132888-5

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2-Methylnaphthalene	<71		71	6.5	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Carbazole	<180		180	88	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Chrysene	<35		35	9.6	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817D

Lab Sample ID: 500-132888-5

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.2	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Phenol	<180		180	78	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Pyrene	<35		35	7.0	ug/Kg	☼	08/25/17 11:55	08/28/17 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		25 - 139				08/25/17 11:55	08/28/17 21:10	1
2-Fluorobiphenyl	81		44 - 121				08/25/17 11:55	08/28/17 21:10	1
2-Fluorophenol	111		46 - 133				08/25/17 11:55	08/28/17 21:10	1
Nitrobenzene-d5	97		41 - 120				08/25/17 11:55	08/28/17 21:10	1
Phenol-d5	83		46 - 125				08/25/17 11:55	08/28/17 21:10	1
Terphenyl-d14	108		35 - 160				08/25/17 11:55	08/28/17 21:10	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		08/23/17 09:24	08/24/17 01:44	1
Barium	0.22	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 01:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 01:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 01:44	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:44	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:44	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:44	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 01:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 01:44	1
Manganese	0.78		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:44	1
Nickel	0.011	J	0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 01:44	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:44	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 01:44	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		08/23/17 09:27	08/24/17 01:09	1
Barium	<0.50		0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:09	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:09	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:09	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:09	1
Iron	1.3		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:09	1
Manganese	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:09	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:09	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-6(0-5.1)-081817D

Lab Sample ID: 500-132888-5

Date Collected: 08/18/17 08:45

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:09	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.20	J B	1.0	0.20	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Arsenic	1.8		0.52	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Barium	21		0.52	0.059	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Beryllium	0.31		0.21	0.048	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Cadmium	0.068	J B	0.10	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Calcium	95000	B	52	8.8	mg/Kg	☼	08/24/17 10:30	08/25/17 13:13	5
Chromium	9.8		0.52	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Cobalt	4.4		0.26	0.068	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Copper	10		0.52	0.14	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Iron	8500		10	5.4	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Lead	3.6		0.26	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Magnesium	38000	B	5.2	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Manganese	190		0.52	0.075	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Nickel	12		0.52	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Potassium	1200		130	46	mg/Kg	☼	08/24/17 10:30	08/25/17 13:13	5
Selenium	<0.52		0.52	0.30	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Sodium	290		52	7.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Vanadium	14		0.26	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1
Zinc	29	B	1.0	0.45	mg/Kg	☼	08/24/17 10:30	08/24/17 19:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.1	J	16	5.4	ug/Kg	☼	08/23/17 10:00	08/23/17 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.20	0.20	SU			08/23/17 07:50	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-7(0-5.1)-081817

Lab Sample ID: 500-132888-6

Date Collected: 08/18/17 09:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.1	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Bromoform	<1.4		1.4	0.41	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Carbon disulfide	<3.5		3.5	0.73	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Carbon tetrachloride	<1.4		1.4	0.41	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Chlorobenzene	<1.4		1.4	0.52	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Chloroethane	<3.5		3.5	1.0	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Chloroform	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
cis-1,2-Dichloroethene	<1.4		1.4	0.39	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
cis-1,3-Dichloropropene	<1.4		1.4	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Dibromochloromethane	<1.4		1.4	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,1-Dichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,1-Dichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,2-Dichloropropane	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,3-Dichloropropene, Total	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Ethylbenzene	<1.4		1.4	0.67	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Methyl Ethyl Ketone	<3.5		3.5	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Methyl tert-butyl ether	<1.4		1.4	0.41	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Styrene	<1.4		1.4	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Tetrachloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
trans-1,2-Dichloroethene	<1.4		1.4	0.62	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
trans-1,3-Dichloropropene	<1.4		1.4	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,1,1-Trichloroethane	<1.4		1.4	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
1,1,2-Trichloroethane	<1.4		1.4	0.60	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Trichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Vinyl chloride	<1.4		1.4	0.62	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1
Xylenes, Total	<2.8		2.8	0.45	ug/Kg	☼	08/19/17 12:20	08/23/17 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/19/17 12:20	08/23/17 21:09	1
Dibromofluoromethane	99		75 - 126	08/19/17 12:20	08/23/17 21:09	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/19/17 12:20	08/23/17 21:09	1
Toluene-d8 (Surr)	95		75 - 124	08/19/17 12:20	08/23/17 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-7(0-5.1)-081817

Lab Sample ID: 500-132888-6

Date Collected: 08/18/17 09:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2-Methylnaphthalene	<71		71	6.5	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4,6-Dinitro-2-methylphenol	<710		710	280	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Carbazole	<180		180	88	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Chrysene	<35		35	9.6	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-7(0-5.1)-081817

Lab Sample ID: 500-132888-6

Date Collected: 08/18/17 09:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.1	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
N-Nitrosodi-n-propylamine	<71		71	43	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Phenol	<180		180	78	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Pyrene	<35		35	7.0	ug/Kg	☼	08/25/17 11:55	08/28/17 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		25 - 139				08/25/17 11:55	08/28/17 21:39	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 11:55	08/28/17 21:39	1
2-Fluorophenol	117		46 - 133				08/25/17 11:55	08/28/17 21:39	1
Nitrobenzene-d5	87		41 - 120				08/25/17 11:55	08/28/17 21:39	1
Phenol-d5	93		46 - 125				08/25/17 11:55	08/28/17 21:39	1
Terphenyl-d14	103		35 - 160				08/25/17 11:55	08/28/17 21:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Barium	0.23	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 01:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 01:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 01:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 01:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 01:56	1
Manganese	0.66		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 01:56	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 01:56	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Barium	0.20	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:13	1
Chromium	0.043		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Copper	0.053		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Iron	36		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:13	1
Lead	0.017		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:13	1
Manganese	0.22		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Nickel	0.036		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: R14-7(0-5.1)-081817

Lab Sample ID: 500-132888-6

Date Collected: 08/18/17 09:00

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:13	1
Zinc	0.083	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Arsenic	1.8		0.52	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Barium	21		0.52	0.060	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Beryllium	0.29		0.21	0.049	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Cadmium	0.12	B	0.10	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Calcium	110000	B	52	8.9	mg/Kg	☼	08/24/17 10:30	08/25/17 13:17	5
Chromium	7.8		0.52	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Cobalt	4.4		0.26	0.068	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Copper	9.9		0.52	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Iron	7600		10	5.4	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Lead	3.1		0.26	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Magnesium	37000	B	5.2	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Manganese	200		0.52	0.076	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Nickel	9.8		0.52	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Potassium	1200		130	46	mg/Kg	☼	08/24/17 10:30	08/25/17 13:17	5
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Sodium	160		52	7.7	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Vanadium	13		0.26	0.062	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1
Zinc	20	B	1.0	0.46	mg/Kg	☼	08/24/17 10:30	08/24/17 19:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 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		08/22/17 13:00	08/23/17 11:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11	J	18	6.1	ug/Kg	☼	08/23/17 10:00	08/23/17 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.20	0.20	SU			08/23/17 07:52	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132888-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.534.5200 Fax: 708.534.



500-132888 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 1 of _____
Temperature °C of Cooler: 3, 2, 2, 1, 2, 4

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SLP Metals	PH	Comments
			Date	Time								
1		OB-3(0-4)-081817	8/18/17	0810	5	S	X	X	X	X	X	
2		CB-3(4-9.5)-081817		0815								
3		R14-5(0-5.1)-081817		0828								
4		R14-6(0-5.1)-081817		0845								
5		R14-6(0-5.1)-081817D		0845								
6		R14-7(0-5.1)-081817		0900								
7		R14-8(0-5.1)-081817		0913								
8		CC-3(0-3.6)-081817		0930								
9		VL16-1(0-6)-081817		0955								
10		VL16-2(0-6)-081817	8/18/17	1010	5	S	X	X	X	X	X	

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal

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

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1455</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRA</u> Date: <u>8/19/17</u> Time: <u>0800</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: [Signature]
Shipped: _____
Hand Delivered: _____

Matrix Key

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

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: S. Babouskumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Sampling		Containers		Matrix				
Project Location/State		Lab PM		Date		# of		Matrix				
Sampler		Time		Date		Containers		Matrix				
Neston Solutions		02056-014-060-0020								VOCs SI00S Total Metals TCUP/SPCP Metals pH		
IDOT 060- US80 at Harmony Road												
Coral Township, IL		D. Wright										
M. Doherty-Skubic												
Lab ID	MS/MSD	Sample ID	Date	Time	# of	Matrix					Comments	
11		VL16-3(0-6)-081817	8/18/17	1025	5	S	X	X	X		X	
12		VL7-1(0-2)-081817		1100								
13		VL-2(0-6)-081817		1115								
14		VL-2(6-12)-081817		1120								
15		VL-3(0-6)-081817		1143								
16		VL-3(6-12)-081817		1155								
17		VL-3(6-12)-081817		1155								
18		VL-3(0-6)-081817		1215								
19		VL-3(6-12)-081817		1220								
20		VL-4(0-6)-081817	8/18/17	1250	5	S	X	X	X		X	

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

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

Relinquished By: <u>M. Doherty-Skubic</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1955</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>Shawn Scott</u> Company: <u>TA-CHT</u> Date: <u>8/19/17</u> Time: <u>0800</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____



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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

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

11821 US 20, (ISGS Site No. 2386V-15)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

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

Latitude: 42.159486026 Longitude: -88.524959907
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

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

Contact: Sam Mead

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

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

Project Name: FAP 525: US Route 20 at Harmony RoadLatitude: 42.159486026 Longitude: -88.524959907Uncontaminated 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 CC-2 AND CC-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-15. SEE FIGURES 3-1/3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORTS - JOB IDs: 500-132824-1 and 500-132888-8.
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Castillo, 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: Weston Solutions, Inc.
Street Address: 300 Circle Plaza; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

Michael Castillo, P.G.
Printed Name:

Michael Castillo

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

21 November 2017

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 2386V-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	CC-2(0-3.6)-081717	CC-3(0-3.6)-081817	Soil Reference Concentrations ^A
Sample Date	8/17/2017	8/18/2017	
Location ID	CC-2	CC-3	
Depth	0 - 3.6	0 - 3.6	
ISGS Site No.	2386V-15	2386V-15	
Parameter			
Laboratory pH	8.6	8.7	<6.5; >9.0
VOCs (ug/kg) No Exceedances			
SVOCs (ug/kg)			
Benzo(a)pyrene	96	ND	90 / 1300 / 2100
Total Metals (mg/kg)			
Arsenic, Total	2.9	5.8	11.3 / 13.0
Barium, Total	44	37	1500
Beryllium, Total	0.55	0.33	22
Calcium, Total	2100 B	17000 B	---
Chromium, Total	13	8.7	21
Cobalt, Total	5.4	5.6	20
Copper, Total	10	8	2900
Iron, Total	12000 B	9000	15000 / 15900
Lead, Total	7	18	107
Magnesium, Total	2800 B	9300 B	325000
Manganese, Total	160 B	350	630 / 636
Mercury, Total	0.038	0.024	0.89
Nickel, Total	16	8.5	100
Potassium, Total	670	800	---
Sodium, Total	980	820	---
Vanadium, Total	15	15	550
Zinc, Total	28	64 B	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.38 J	0.48 J	2
Beryllium, TCLP	ND	ND	0.004
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	0.21	0.0075
Manganese, TCLP	0.62	0.83	0.15
Mercury, TCLP	ND	0.00023	0.002
Nickel, TCLP	ND	ND	0.1
Zinc, TCLP	ND	0.1 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.037 J	0.021 J	0.05
Barium, SPLP	0.77	0.3 J	2
Beryllium, SPLP	0.0084	ND	0.004
Chromium, SPLP	0.19	0.077	0.1
Cobalt, SPLP	0.039	0.014 J	1
Copper, SPLP	0.23 B	0.056	0.65
Iron, SPLP	160	59	5
Lead, SPLP	0.092	0.1	0.0075
Manganese, SPLP	1.1	0.95	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.17	0.056	0.1
Zinc, SPLP	0.32 J	0.28 J	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

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: 500-132824-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 1:41:14 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CC-2(0-3.6)-081717

Lab Sample ID: 500-132824-10

Date Collected: 08/17/17 11:05

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Benzene	<1.5		1.5	0.40	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Bromodichloromethane	<1.5		1.5	0.32	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Dibromochloromethane	<1.5		1.5	0.51	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,3-Dichloropropane, Total	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
trans-1,2-Dichloroethene	<1.5		1.5	0.69	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Vinyl chloride	<1.5		1.5	0.69	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	08/18/17 08:00	08/23/17 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	08/18/17 08:00	08/23/17 05:24	1
Dibromofluoromethane	102		75 - 126	08/18/17 08:00	08/23/17 05:24	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/18/17 08:00	08/23/17 05:24	1
Toluene-d8 (Surr)	99		75 - 124	08/18/17 08:00	08/23/17 05:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CC-2(0-3.6)-081717

Lab Sample ID: 500-132824-10

Date Collected: 08/17/17 11:05

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Acenaphthene	20	J	38	6.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Anthracene	41		38	6.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Benzo[a]anthracene	87		38	5.1	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Benzo[a]pyrene	96		38	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Benzo[b]fluoranthene	160		38	8.2	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Benzo[g,h,i]perylene	37	J	38	12	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Benzo[k]fluoranthene	62		38	11	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Carbazole	<190		190	95	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Chrysene	120		38	10	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Dibenz(a,h)anthracene	9.3	J	38	7.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Dibenzofuran	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Fluoranthene	370		38	7.1	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Fluorene	30	J	38	5.4	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Hexachloroethane	<190		190	58	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CC-2(0-3.6)-081717

Lab Sample ID: 500-132824-10

Date Collected: 08/17/17 11:05

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	39		38	9.9	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Isophorone	<190		190	43	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Naphthalene	<38		38	5.9	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Phenanthrene	310		38	5.3	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Phenol	<190		190	85	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Pyrene	320		38	7.6	ug/Kg	☼	08/25/17 07:08	08/28/17 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		25 - 139				08/25/17 07:08	08/28/17 17:11	1
2-Fluorobiphenyl	85		44 - 121				08/25/17 07:08	08/28/17 17:11	1
2-Fluorophenol	111		46 - 133				08/25/17 07:08	08/28/17 17:11	1
Nitrobenzene-d5	84		41 - 120				08/25/17 07:08	08/28/17 17:11	1
Phenol-d5	101		46 - 125				08/25/17 07:08	08/28/17 17:11	1
Terphenyl-d14	93		35 - 160				08/25/17 07:08	08/28/17 17:11	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		08/23/17 09:22	08/24/17 00:20	1
Barium	0.38	J	0.50	0.050	mg/L		08/23/17 09:22	08/24/17 00:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:22	08/24/17 00:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:22	08/24/17 00:20	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:20	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:20	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:20	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:22	08/24/17 00:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:22	08/24/17 00:20	1
Manganese	0.62		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:20	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:20	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:22	08/24/17 00:20	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:22	08/24/17 00:20	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:22	08/24/17 00:20	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Barium	0.77		0.50	0.050	mg/L		08/22/17 07:47	08/22/17 20:03	1
Beryllium	0.0084		0.0040	0.0040	mg/L		08/22/17 07:47	08/22/17 20:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/17 07:47	08/22/17 20:03	1
Chromium	0.19		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Cobalt	0.039		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Copper	0.23	B	0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Iron	160		0.40	0.20	mg/L		08/22/17 07:47	08/22/17 20:03	1
Lead	0.092		0.0075	0.0075	mg/L		08/22/17 07:47	08/22/17 20:03	1
Manganese	1.1		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Nickel	0.17		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/17 07:47	08/22/17 20:03	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Client Sample ID: CC-2(0-3.6)-081717

Lab Sample ID: 500-132824-10

Date Collected: 08/17/17 11:05

Matrix: Solid

Date Received: 08/17/17 18:20

Percent Solids: 85.7

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/22/17 07:47	08/22/17 20:03	1
Zinc	0.32	J	0.50	0.020	mg/L		08/22/17 07:47	08/22/17 20:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Arsenic	2.9		0.53	0.18	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Barium	44		0.53	0.060	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Beryllium	0.55		0.21	0.049	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Cadmium	0.020	J B	0.11	0.019	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Calcium	2100	B	11	1.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Chromium	13		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Cobalt	5.4		0.26	0.069	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Copper	10		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Iron	12000	B	11	5.5	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Lead	7.0		0.26	0.12	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Magnesium	2800	B	5.3	2.6	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Manganese	160	B	0.53	0.077	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Nickel	16		0.53	0.15	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Potassium	670		26	9.4	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Silver	<0.26		0.26	0.068	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Sodium	980		53	7.8	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Vanadium	15		0.26	0.062	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1
Zinc	28		1.1	0.46	mg/Kg	☼	08/24/17 07:56	08/24/17 15:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 12:00	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/17 12:00	08/22/17 11:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	38		18	5.9	ug/Kg	☼	08/23/17 10:00	08/23/17 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.20	0.20	SU			08/22/17 17:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132824-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F4	MS/MSD RPD exceeds control limits due to sample size difference.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132824-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.



500-132824 COC

Report To (optional)
Contact: S. Bahusikumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-132824

Chain of Custody Number: _____

Page 1 of 2

Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative							Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Parameter							Comments		
Project Location/State		Lab Project #									
Sampler		Lab PM									
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	NOCS	SVOCs	TOTAL METALS	TRU/SPUR METALS	pH
			Date	Time							
1		AL10-1(0-6.6)-081717	8/17/17	0820	5	S	X	X	X	X	X
2		AL10-2(0-6.6)-081717		0849							
3		AL10-1(0-6.6)-081717D		0820							
4		AL10-3(0-6.6)-081717		0915							
5		AL10-4(0-6.6)-081717		0935							
6		AL10-5(0-6.6)-081717		0955							
7		AL10-6(0-6.6)-081717		1015							
8		AL10-7(0-6.6)-081717		1035							
9		CC-1(0-3.6)-081717		1055							
10		CC-2(0-3.6)-081717	8/17/17	1105	5	S	X	X	X	X	X

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Sample Disposal

Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1505</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1820</u>	Received By <u>[Signature]</u> Company: <u>TA-CPD</u> Date: <u>8/18/17</u> Time: <u>0715</u>
Relinquished By Company: Date: Time:	Received By Company: Date: Time:

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: S. Babusikumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-132824
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 27.21

Client		Client Project #		Preservative		Parameter					Preservative Key	
<u>Weston Solutions</u>		<u>02056.0</u>										1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Matrix		VOCs	SVOCs	TOTAL METALS	TRACE METALS	PH	Comments	
<u>IDOT 060-US20 at Harmony Rd</u>												
Project Location/State		Lab Project #		Matrix								
<u>Coral Township, IL</u>												
Sampler		Lab PM		Matrix								
<u>M. Doherty-Skubic</u>		<u>D. Wright</u>										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TRACE METALS	PH	Comments
<u>11</u>		<u>R14-1(0-5.1)-081717</u>	<u>8/17/17</u>	<u>1155</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>R14-2(0-5.1)-081717</u>		<u>1220</u>								
<u>13</u>		<u>R14-2(0-5.1)-081717D</u>		<u>1220</u>								
<u>14</u>		<u>R14-3(0-5.1)-081717</u>		<u>1238</u>								
<u>15</u>		<u>R14-4(0-5.1)-081717</u>		<u>1255</u>								
<u>16</u>		<u>CB-1(0-4)-081717</u>		<u>1310</u>								
<u>17</u>		<u>CB-1(4-5)-081717</u>		<u>1315</u>								
<u>18</u>		<u>CB-2(0-4)-081717</u>		<u>1330</u>								
<u>19</u>		<u>CB-2(4-5)-081717</u>	<u>8/17/17</u>	<u>1335</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>LAST REMARK</u>												<u>MS</u>

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1505</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/17/17</u> Time: <u>1820</u>	Received By: <u>[Signature]</u> Company: <u>TA-CPE</u> Date: <u>8/18/17</u> Time: <u>0715</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-132888-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 4:40:49 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

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Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CC-3(0-3.6)-081817

Lab Sample ID: 500-132888-8

Date Collected: 08/18/17 09:30

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.2	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Methyl Ethyl Ketone	<4.2		4.2	1.8	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/19/17 12:20	08/23/17 22:00	1
Dibromofluoromethane	103		75 - 126	08/19/17 12:20	08/23/17 22:00	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/19/17 12:20	08/23/17 22:00	1
Toluene-d8 (Surr)	97		75 - 124	08/19/17 12:20	08/23/17 22:00	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CC-3(0-3.6)-081817

Lab Sample ID: 500-132888-8

Date Collected: 08/18/17 09:30

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2-Methylphenol	<190		190	61	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Benzo[a]anthracene	5.3 J		37	5.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Benzo[b]fluoranthene	8.4 J		37	8.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Carbazole	<190		190	94	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Fluoranthene	8.3 J		37	7.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CC-3(0-3.6)-081817

Lab Sample ID: 500-132888-8

Date Collected: 08/18/17 09:30

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Phenanthrene	8.5	J	37	5.3	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Phenol	<190		190	84	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Pyrene	<37		37	7.5	ug/Kg	☼	08/25/17 11:55	08/29/17 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		25 - 139				08/25/17 11:55	08/29/17 02:01	1
2-Fluorobiphenyl	77		44 - 121				08/25/17 11:55	08/29/17 02:01	1
2-Fluorophenol	95		46 - 133				08/25/17 11:55	08/29/17 02:01	1
Nitrobenzene-d5	80		41 - 120				08/25/17 11:55	08/29/17 02:01	1
Phenol-d5	87		46 - 125				08/25/17 11:55	08/29/17 02:01	1
Terphenyl-d14	104		35 - 160				08/25/17 11:55	08/29/17 02:01	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Barium	0.48	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:04	1
Lead	0.21		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:04	1
Manganese	0.83		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:04	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:04	1
Zinc	0.10	J	0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:04	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Barium	0.30	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:21	1
Chromium	0.077		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Copper	0.056		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Iron	59		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:21	1
Lead	0.10		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:21	1
Manganese	0.95		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Nickel	0.056		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:21	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: CC-3(0-3.6)-081817

Lab Sample ID: 500-132888-8

Date Collected: 08/18/17 09:30

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 86.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:21	1
Zinc	0.28	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Arsenic	5.8		0.56	0.19	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Barium	37		0.56	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Beryllium	0.33		0.22	0.052	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Calcium	17000	B	11	1.9	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Chromium	8.7		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Cobalt	5.6		0.28	0.073	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Copper	8.0		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Iron	9000		11	5.8	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Lead	18		0.28	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Magnesium	9300	B	5.6	2.8	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Manganese	350		0.56	0.081	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Nickel	8.5		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Potassium	800		140	49	mg/Kg	☼	08/24/17 10:30	08/25/17 13:24	5
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Sodium	820		56	8.2	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Vanadium	15		0.28	0.066	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1
Zinc	64	B	1.1	0.49	mg/Kg	☼	08/24/17 10:30	08/24/17 19:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:27	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		19	6.4	ug/Kg	☼	08/23/17 10:00	08/23/17 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.20	0.20	SU			08/23/17 07:57	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132888-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.534.5200 Fax: 708.534.



500-132888 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: JAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 1 of _____
Temperature °C of Cooler: 3, 2, 2, 1, 2, 4

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SLP Metals	PH	Comments
			Date	Time								
1		OB-3(0-4)-081817	8/18/17	0810	5	S	X	X	X	X	X	
2		CB-3(4-9.5)-081817		0815								
3		R14-5(0-5.1)-081817		0828								
4		R14-6(0-5.1)-081817		0845								
5		R14-6(0-5.1)-081817D		0845								
6		R14-7(0-5.1)-081817		0900								
7		R14-8(0-5.1)-081817		0913								
8		CC-3(0-3.6)-081817		0930								
9		VL16-1(0-6)-081817		0955								
10		VL16-2(0-6)-081817	8/18/17	1010	5	S	X	X	X	X	X	

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other

Requested Due Date _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1455</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRA</u> Date: <u>8/19/17</u> Time: <u>0800</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: [Signature]
Shipped: _____
Hand Delivered: _____

Matrix Key

- | | |
|--------------------|---------------------|
| WW - Wastewater | SE - Sediment |
| W - Water | SO - Soil |
| S - Soil | L - Leachate |
| SL - Sludge | WI - Wipe |
| MS - Miscellaneous | DW - Drinking Water |
| OL - Oil | O - Other |
| A - Air | |

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: S. Babouskumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Preservative Key				
Neston Solutions		02056-014-060-0020						1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other				
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM				
IDOT 060- US80 at Harmony Road		Coral Township, IL				M. Doherty-Skubic		D. Wright				
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOC	SIICS	Total Metals	TCUP/SPCP Metals	pH	Comments
			Date	Time								
11		VL16-3(0-6)-081817	8/18/17	1025	5	S	X	X	X	X	X	
12		VL7-1(0-2)-081817		1100								
13		VL-2(0-6)-081817		1115								
14		VL-2(6-12)-081817		1120								
15		VL-3(0-6)-081817		1143								
16		VL-3(6-12)-081817		1155								
17		VL-3(6-12)-081817		1155								
18		VL-3(0-6)-081817		1215								
19		VL-3(6-12)-081817		1220								
20		VL-4(0-6)-081817	8/18/17	1250	5	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>M. Doherty-Skubic</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1955</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>Shawn Scott</u> Company: <u>TA-CHT</u> Date: <u>8/19/17</u> Time: <u>0800</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 525: US Route 20 at Harmony Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
16600 block of Harmony Road, (ISGS Site No. 2386V-16)

City: _____ State: IL Zip Code: _____

County: McHenry Township: Coral

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.160817953 Longitude: -88.523423980
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Project Name: FAP 525: US Route 20 at Harmony Road

Latitude: 42.160817953 Longitude: -88.523423980

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 VL16-1 THROUGH VL16-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2386V-16. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-132888-8.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Castillo, 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: Weston Solutions, Inc.

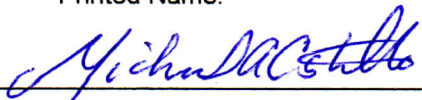
Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael Castillo, P.G.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

21 November 2017

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 2386V-16
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 525: US Route 20 at Harmony Road
McHenry County, Illinois

Field Sample ID	VL16-1(0-6)-081817	VL16-2(0-6)-081817	VL16-3(0-6)-081817	Soil Reference Concentrations ^A
Sample Date	8/18/2017	8/18/2017	8/18/2017	
Location ID	VL16-1	VL16-2	VL16-3	
Depth	0 - 6	0 - 6	0 - 6	
ISGS Site No.	2386V-16	2386V-16	2386V-16	
Parameter				
Laboratory pH	8.7	8.9	8.4	<6.5; >9.0
VOCs (ug/kg)	No Exceedances			
SVOCs (ug/kg)	No Exceedances			
Total Metals (mg/kg)				
Arsenic, Total	3.3	3.3	2.7	11.3 / 13.0
Barium, Total	40	27	53	1500
Beryllium, Total	0.48	0.29	0.42	22
Cadmium, Total	ND	ND	ND	5.2
Calcium, Total	24000 B	110000 B	26000 B	---
Chromium, Total	13	8	11	21
Cobalt, Total	6.4	3.7	5.1	20
Copper, Total	14	15	14	2900
Iron, Total	12000	8400	9700	15000 / 15900
Lead, Total	12	29	18	107
Magnesium, Total	16000 B	39000 B	14000 B	325000
Manganese, Total	200	240	230	630 / 636
Mercury, Total	0.015 J	0.027	0.019	0.89
Nickel, Total	17	9	11	100
Potassium, Total	1500	890	1200	---
Selenium, Total	ND	ND	ND	1.3
Sodium, Total	1000	870	680	---
Vanadium, Total	19	14	19	550
Zinc, Total	35 B	58 B	46 B	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	ND	0.05
Barium, TCLP	0.34 J	0.28 J	0.45 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0025 J	ND	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	0.016 J	ND	ND	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	3.7	1.2	2.1	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	0.012 J	ND	ND	0.1
Zinc, TCLP	ND	0.14 J	0.022 J	5
SPLP Metals (mg/l)				
Arsenic, SPLP	0.021 J	0.02 J	0.024 J	0.05
Barium, SPLP	0.39 J	0.39 J	0.61	2
Beryllium, SPLP	ND	0.004	0.0057	0.004
Cadmium, SPLP	ND	0.0022 J	0.002 J	0.005
Chromium, SPLP	0.1	0.1	0.15	0.1
Cobalt, SPLP	0.029	0.023 J	0.033	1
Copper, SPLP	0.11	0.13	0.15	0.65
Iron, SPLP	90	90	130	5
Lead, SPLP	0.09	0.19	0.1	0.0075
Manganese, SPLP	1	0.77	0.98	0.15
Mercury, SPLP	ND	0.00022	0.00032	0.002
Nickel, SPLP	0.097	0.084	0.13	0.1
Zinc, SPLP	0.25 J	0.72	0.33 J	5

Notes:

- - not applicable or value not available.
- ^A - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.
- ND - Constituent not detected above the reporting limit.
- B - Constituent detected in the laboratory blank and investigative samples.
- J - Estimated concentration.
- 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: 500-132888-1

Client Project/Site: IDOT - US Rt 20 at Harmony Road - WO
060

For:

Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:
8/29/2017 4:40:49 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-1(0-6)-081817

Lab Sample ID: 500-132888-9

Date Collected: 08/18/17 09:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	9.4	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Benzene	<2.2		2.2	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Bromodichloromethane	<2.2		2.2	0.44	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Bromoform	<2.2		2.2	0.63	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Carbon disulfide	<5.4		5.4	1.1	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Carbon tetrachloride	<2.2		2.2	0.63	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Chlorobenzene	<2.2		2.2	0.80	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Chloroethane	<5.4		5.4	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Chloroform	<2.2		2.2	0.75	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Chloromethane	<5.4		5.4	2.2	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
cis-1,2-Dichloroethene	<2.2		2.2	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
cis-1,3-Dichloropropene	<2.2		2.2	0.65	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Dibromochloromethane	<2.2		2.2	0.71	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,1-Dichloroethane	<2.2		2.2	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,2-Dichloroethane	<5.4		5.4	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,1-Dichloroethene	<2.2		2.2	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,2-Dichloropropane	<2.2		2.2	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,3-Dichloropropane, Total	<2.2		2.2	0.76	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Ethylbenzene	<2.2		2.2	1.0	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Methylene Chloride	<5.4		5.4	2.1	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Methyl Ethyl Ketone	<5.4		5.4	2.4	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
methyl isobutyl ketone	<5.4		5.4	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Methyl tert-butyl ether	<2.2		2.2	0.64	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Styrene	<2.2		2.2	0.65	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,1,2,2-Tetrachloroethane	<2.2		2.2	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Tetrachloroethene	<2.2		2.2	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Toluene	<2.2		2.2	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
trans-1,2-Dichloroethene	<2.2		2.2	0.96	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
trans-1,3-Dichloropropene	<2.2		2.2	0.76	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,1,1-Trichloroethane	<2.2		2.2	0.73	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
1,1,2-Trichloroethane	<2.2		2.2	0.93	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Trichloroethene	<2.2		2.2	0.73	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Vinyl chloride	<2.2		2.2	0.96	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1
Xylenes, Total	<4.3		4.3	0.69	ug/Kg	☼	08/19/17 12:20	08/23/17 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/19/17 12:20	08/23/17 22:25	1
Dibromofluoromethane	104		75 - 126	08/19/17 12:20	08/23/17 22:25	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	08/19/17 12:20	08/23/17 22:25	1
Toluene-d8 (Surr)	95		75 - 124	08/19/17 12:20	08/23/17 22:25	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	☼	08/25/17 11:55	08/29/17 12:43	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-1(0-6)-081817

Lab Sample ID: 500-132888-9

Date Collected: 08/18/17 09:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	79	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2-Methylnaphthalene	9.6	J	70	6.4	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2-Methylphenol	<170		170	56	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4,6-Dinitro-2-methylphenol	<700		700	280	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4-Nitroaniline	<340		340	150	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Acenaphthylene	<34		34	4.6	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Anthracene	7.4	J	34	5.8	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Benzo[a]anthracene	31	J	34	4.7	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Benzo[a]pyrene	42		34	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Benzo[b]fluoranthene	63		34	7.5	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Benzo[g,h,i]perylene	39		34	11	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Carbazole	<170		170	87	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Chrysene	42		34	9.5	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Dibenz(a,h)anthracene	<34		34	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Dibenzofuran	<170		170	41	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Fluoranthene	72		34	6.4	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Fluorene	<34		34	4.9	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Hexachloroethane	<170		170	53	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-1(0-6)-081817

Lab Sample ID: 500-132888-9

Date Collected: 08/18/17 09:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	21	J	34	9.0	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Isophorone	<170		170	39	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Naphthalene	<34		34	5.3	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Nitrobenzene	<34		34	8.7	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
N-Nitrosodi-n-propylamine	<70		70	42	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Phenanthrene	42		34	4.8	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Phenol	<170		170	77	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Pyrene	67		34	6.9	ug/Kg	☼	08/25/17 11:55	08/29/17 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		25 - 139				08/25/17 11:55	08/29/17 12:43	1
2-Fluorobiphenyl	91		44 - 121				08/25/17 11:55	08/29/17 12:43	1
2-Fluorophenol	105		46 - 133				08/25/17 11:55	08/29/17 12:43	1
Nitrobenzene-d5	85		41 - 120				08/25/17 11:55	08/29/17 12:43	1
Phenol-d5	100		46 - 125				08/25/17 11:55	08/29/17 12:43	1
Terphenyl-d14	104		35 - 160				08/25/17 11:55	08/29/17 12:43	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		08/23/17 09:24	08/24/17 02:08	1
Barium	0.34	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:08	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:08	1
Cobalt	0.016	J	0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:08	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:08	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:08	1
Manganese	3.7		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:08	1
Nickel	0.012	J	0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:08	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:08	1
Zinc	<0.50		0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:08	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Barium	0.39	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:24	1
Chromium	0.10		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Cobalt	0.029		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Copper	0.11		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Iron	90		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:24	1
Lead	0.090		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:24	1
Manganese	1.0		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Nickel	0.097		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:24	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-1(0-6)-081817

Lab Sample ID: 500-132888-9

Date Collected: 08/18/17 09:55

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 91.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:24	1
Zinc	0.25	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Arsenic	3.3		0.52	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Barium	40		0.52	0.059	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Beryllium	0.48		0.21	0.049	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Cadmium	0.13	B	0.10	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Calcium	24000	B	10	1.8	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Chromium	13		0.52	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Cobalt	6.4		0.26	0.068	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Copper	14		0.52	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Iron	12000		10	5.4	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Lead	12		0.26	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Magnesium	16000	B	5.2	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Manganese	200		0.52	0.075	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Nickel	17		0.52	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Potassium	1500		130	46	mg/Kg	☼	08/24/17 10:30	08/25/17 13:28	5
Selenium	<0.52		0.52	0.31	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Sodium	1000		52	7.7	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Vanadium	19		0.26	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1
Zinc	35	B	1.0	0.46	mg/Kg	☼	08/24/17 10:30	08/24/17 19:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:29	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	16	5.4	ug/Kg	☼	08/23/17 10:00	08/23/17 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.20	0.20	SU			08/23/17 08:00	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-2(0-6)-081817

Lab Sample ID: 500-132888-10

Date Collected: 08/18/17 10:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	36		17	7.3	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Methyl Ethyl Ketone	<4.2		4.2	1.8	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>4-Bromofluorobenzene (Surr)</i>	92		75 - 131	08/19/17 12:20	08/23/17 22:50	1
<i>Dibromofluoromethane</i>	103		75 - 126	08/19/17 12:20	08/23/17 22:50	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	92		70 - 134	08/19/17 12:20	08/23/17 22:50	1
<i>Toluene-d8 (Surr)</i>	97		75 - 124	08/19/17 12:20	08/23/17 22:50	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-2(0-6)-081817

Lab Sample ID: 500-132888-10

Date Collected: 08/18/17 10:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2-Methylnaphthalene	14	J	73	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Acenaphthylene	7.0	J	36	4.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Anthracene	14	J	36	6.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Benzo[a]anthracene	51		36	4.9	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Benzo[a]pyrene	62		36	7.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Benzo[b]fluoranthene	100		36	7.8	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Benzo[g,h,i]perylene	46		36	12	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Benzo[k]fluoranthene	38		36	11	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Carbazole	<180		180	90	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Chrysene	69		36	9.9	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Dibenz(a,h)anthracene	8.0	J	36	7.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Fluoranthene	110		36	6.7	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-2(0-6)-081817

Lab Sample ID: 500-132888-10

Date Collected: 08/18/17 10:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	29	J	36	9.4	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Isophorone	<180		180	41	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Naphthalene	7.7	J	36	5.6	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Phenanthrene	84		36	5.0	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Phenol	<180		180	80	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Pyrene	92		36	7.2	ug/Kg	☼	08/25/17 11:55	08/29/17 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		25 - 139				08/25/17 11:55	08/29/17 02:30	1
2-Fluorobiphenyl	92		44 - 121				08/25/17 11:55	08/29/17 02:30	1
2-Fluorophenol	120		46 - 133				08/25/17 11:55	08/29/17 02:30	1
Nitrobenzene-d5	96		41 - 120				08/25/17 11:55	08/29/17 02:30	1
Phenol-d5	98		46 - 125				08/25/17 11:55	08/29/17 02:30	1
Terphenyl-d14	102		35 - 160				08/25/17 11:55	08/29/17 02:30	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Barium	0.28	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:12	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:12	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:12	1
Manganese	1.2		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:12	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:12	1
Zinc	0.14	J	0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:12	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Barium	0.39	J	0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:36	1
Beryllium	0.0040		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:36	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:36	1
Chromium	0.10		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Cobalt	0.023	J	0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Copper	0.13		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Iron	90		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:36	1
Lead	0.19		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:36	1
Manganese	0.77		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Nickel	0.084		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:36	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-2(0-6)-081817

Lab Sample ID: 500-132888-10

Date Collected: 08/18/17 10:10

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 90.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:36	1
Zinc	0.72		0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Arsenic	3.3		0.53	0.18	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Barium	27		0.53	0.061	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Beryllium	0.29		0.21	0.050	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Cadmium	0.24	B	0.11	0.019	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Calcium	110000	B	53	9.0	mg/Kg	☼	08/24/17 10:30	08/25/17 14:20	5
Chromium	8.0		0.53	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Cobalt	3.7		0.27	0.070	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Copper	15		0.53	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Iron	8400		11	5.5	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Lead	29		0.27	0.12	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Magnesium	39000	B	5.3	2.6	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Manganese	240		0.53	0.077	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Nickel	9.0		0.53	0.15	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Potassium	890		130	47	mg/Kg	☼	08/24/17 10:30	08/25/17 14:20	5
Selenium	<0.53		0.53	0.31	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Silver	<0.27		0.27	0.068	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Sodium	870		53	7.9	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Vanadium	14		0.27	0.063	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1
Zinc	58	B	1.1	0.47	mg/Kg	☼	08/24/17 10:30	08/24/17 19:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:30	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		16	5.4	ug/Kg	☼	08/23/17 10:00	08/23/17 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.20	0.20	SU			08/23/17 08:02	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-3(0-6)-081817

Lab Sample ID: 500-132888-11

Date Collected: 08/18/17 10:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.2	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Bromodichloromethane	<1.6		1.6	0.34	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Carbon tetrachloride	<1.6		1.6	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Chlorobenzene	<1.6		1.6	0.61	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
cis-1,3-Dichloropropene	<1.6		1.6	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Dibromochloromethane	<1.6		1.6	0.54	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,1-Dichloroethene	<1.6		1.6	0.57	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,2-Dichloropropane	<1.6		1.6	0.43	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,3-Dichloropropene, Total	<1.6		1.6	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Ethylbenzene	<1.6		1.6	0.79	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Styrene	<1.6		1.6	0.50	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Toluene	<1.6		1.6	0.42	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
trans-1,2-Dichloroethene	<1.6		1.6	0.73	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
trans-1,3-Dichloropropene	<1.6		1.6	0.58	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
1,1,2-Trichloroethane	<1.6		1.6	0.71	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Trichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Vinyl chloride	<1.6		1.6	0.73	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/19/17 12:20	08/23/17 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	08/19/17 12:20	08/23/17 23:15	1
Dibromofluoromethane	99		75 - 126	08/19/17 12:20	08/23/17 23:15	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	08/19/17 12:20	08/23/17 23:15	1
Toluene-d8 (Surr)	95		75 - 124	08/19/17 12:20	08/23/17 23:15	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	☼	08/25/17 11:55	08/28/17 22:38	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-3(0-6)-081817

Lab Sample ID: 500-132888-11

Date Collected: 08/18/17 10:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Chrysene	<37		37	10	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Fluoranthene	7.5 J		37	6.9	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-3(0-6)-081817

Lab Sample ID: 500-132888-11

Date Collected: 08/18/17 10:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Phenol	<190		190	83	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Pyrene	<37		37	7.4	ug/Kg	☼	08/25/17 11:55	08/28/17 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		25 - 139				08/25/17 11:55	08/28/17 22:38	1
2-Fluorobiphenyl	79		44 - 121				08/25/17 11:55	08/28/17 22:38	1
2-Fluorophenol	107		46 - 133				08/25/17 11:55	08/28/17 22:38	1
Nitrobenzene-d5	79		41 - 120				08/25/17 11:55	08/28/17 22:38	1
Phenol-d5	88		46 - 125				08/25/17 11:55	08/28/17 22:38	1
Terphenyl-d14	114		35 - 160				08/25/17 11:55	08/28/17 22:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Barium	0.45	J	0.50	0.050	mg/L		08/23/17 09:24	08/24/17 02:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/17 09:24	08/24/17 02:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/17 09:24	08/24/17 02:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Copper	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Iron	<0.40		0.40	0.20	mg/L		08/23/17 09:24	08/24/17 02:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/17 09:24	08/24/17 02:16	1
Manganese	2.1		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:24	08/24/17 02:16	1
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:24	08/24/17 02:16	1
Zinc	0.022	J	0.50	0.020	mg/L		08/23/17 09:24	08/24/17 02:16	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Barium	0.61		0.50	0.050	mg/L		08/23/17 09:27	08/24/17 01:39	1
Beryllium	0.0057		0.0040	0.0040	mg/L		08/23/17 09:27	08/24/17 01:39	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		08/23/17 09:27	08/24/17 01:39	1
Chromium	0.15		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Cobalt	0.033		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Copper	0.15		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Iron	130		0.40	0.20	mg/L		08/23/17 09:27	08/24/17 01:39	1
Lead	0.10		0.0075	0.0075	mg/L		08/23/17 09:27	08/24/17 01:39	1
Manganese	0.98		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Nickel	0.13		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/17 09:27	08/24/17 01:39	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Client Sample ID: VL16-3(0-6)-081817

Lab Sample ID: 500-132888-11

Date Collected: 08/18/17 10:25

Matrix: Solid

Date Received: 08/18/17 16:55

Percent Solids: 85.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/17 09:27	08/24/17 01:39	1
Zinc	0.33	J	0.50	0.020	mg/L		08/23/17 09:27	08/24/17 01:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Arsenic	2.7		0.56	0.19	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Barium	53		0.56	0.064	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Beryllium	0.42		0.22	0.052	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Calcium	26000	B	11	1.9	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Chromium	11		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Cobalt	5.1		0.28	0.073	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Copper	14		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Iron	9700		11	5.8	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Lead	18		0.28	0.13	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Magnesium	14000	B	5.6	2.8	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Manganese	230		0.56	0.081	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Nickel	11		0.56	0.16	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Potassium	1200		140	50	mg/Kg	☼	08/24/17 10:30	08/25/17 14:24	5
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Sodium	680		56	8.3	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Vanadium	19		0.28	0.066	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1
Zinc	46	B	1.1	0.49	mg/Kg	☼	08/24/17 10:30	08/24/17 19:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 10:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.20	0.20	ug/L		08/22/17 13:00	08/23/17 11:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		19	6.5	ug/Kg	☼	08/23/17 10:00	08/23/17 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.20	0.20	SU			08/23/17 08:05	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

TestAmerica Job ID: 500-132888-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 500-132888-1

Project/Site: IDOT - US Rt 20 at Harmony Road - WO 060

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61
Phone: 708.534.5200 Fax: 708.534.



500-132888 COC

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: JAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 1 of _____
Temperature °C of Cooler: 3, 2, 2, 1, 2, 4

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SLP Metals	PH	Comments
			Date	Time								
1		OB-3(0-4)-081817	8/18/17	0810	5	S	X	X	X	X	X	
2		CB-3(4-9.5)-081817		0815								
3		R14-5(0-5.1)-081817		0828								
4		R14-6(0-5.1)-081817		0845								
5		R14-6(0-5.1)-081817D		0845								
6		R14-7(0-5.1)-081817		0900								
7		R14-8(0-5.1)-081817		0913								
8		CC-3(0-3.6)-081817		0930								
9		VL16-1(0-6)-081817		0955								
10		VL16-2(0-6)-081817	8/18/17	1010	5	S	X	X	X	X	X	

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other

Requested Due Date _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>8/18/2017</u>	Time <u>1455</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/18/17</u>	Time <u>1455</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>8/18/17</u>	Time <u>1655</u>	Received By <u>[Signature]</u>	Company <u>TA-CRA</u>	Date <u>8/19/17</u>	Time <u>0800</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

- WW - Wastewater
- W - Water
- S - Soil
- SL - Sludge
- MS - Miscellaneous
- OL - Oil
- A - Air
- SE - Sediment
- SO - Soil
- L - Leachate
- WI - Wipe
- DW - Drinking Water
- O - Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: S. Babouskumar
Company: Weston Solutions
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7200
Fax: 224-864-7236
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-132888
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampler		Lab PM		# of Containers	Matrix		
Lab ID	MS/MSD	Sample ID	Date	Time							
Neston Solutions		02056-014-060-0020								VOCs SI00S Total Metals TCUP/SPCP Metals pH	
IDOT 060- US80 at Harmony Road											
Coral Township, IL											
M. Doherty-Skubic		D. Wright									
11		VL16-3(0-6)-081817	8/18/17	1025	5	S	X	X	X		X
12		VL7-1(0-2)-081817		1100							
13		VL-2(0-6)-081817		1115							
14		VL-2(6-12)-081817		1120							
15		VL-3(0-6)-081817		1143							
16		VL-3(6-12)-081817		1155							
17		VL-3(6-12)-081817		1155							
18		VL-3(0-6)-081817		1215							
19		VL-3(6-12)-081817		1220							
20		VL-4(0-6)-081817	8/18/17	1250	5	S	X	X	X		X

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days 7 Days ___ 10 Days ___ 15 Days ___ Other
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>M. Doherty-Skubic</u> Company: <u>Weston</u> Date: <u>8/18/2017</u> Time: <u>1455</u>	Received By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1955</u>
Relinquished By: <u>J. Neal</u> Company: <u>TA</u> Date: <u>8/18/17</u> Time: <u>1655</u>	Received By: <u>Shawn Scott</u> Company: <u>TA-CHT</u> Date: <u>8/19/17</u> Time: <u>0800</u>

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____
 Lab Comments: _____