



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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

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

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

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

I. Source Location Information

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

Project Name: FAP 346: US Route 41 at Lake Cook Road Office Phone Number, if available: _____

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

US Route 41 at Lake Cook Road (Sites 1 through 10)

City: Northbrook State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.1527 Longitude: - 87.79828
(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: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 484

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@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.

Uncontaminated Soil 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 S2-1, S2-3, S3-1, S5-1, S6-2 THROUGH S6-4, S9-1, AND S10-1 WERE SAMPLED ADJACENT TO US 41 AND LAKE COOK ROAD. 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 IDS: 500-170817-1 AND 500-17820-1.
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 A. 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 Plaza Circle; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Michael Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date: _____

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



Summary Table of Sites 1 through 10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 346: US Route 41 at Lake Cook Road
Northbrook, Cook County, Illinois

Location	S2-1	S2-3	S3-1	S3-1	S5-1	S5-1	S6-2	S6-2	S6-3	S6-3	S6-4
Sample Date	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019
Field Sample ID	S2-1(0-4)-092619	S2-3(0-4)-092619	S3-1(0-4)-092619	S3-1(4-10)-092619	S5-1(0-4)-092619	S5-1(4-10)-092619	S6-2(0-4)-092619	S6-2(4-10)-092619	S6-3(0-4)-092619	S6-3(4-10)-092619	S6-4(0-4)-092619
Lab Sample ID	500-170817-20	500-170820-3	500-170817-16	500-170817-17	500-170817-12	500-170817-13	500-170817-7	500-170817-8	500-170817-5	500-170817-6	500-170817-3
Laboratory pH (s.u.)	8.6	8.7	8.8	7.7	8.8	8.5	9	8.9	7.8	8.1	8.6
VOCs (mg/kg)											
Acetone	0.0087 J	ND	ND	ND	ND	0.011 J	ND	0.012 J	0.047	ND	ND
SVOCs (mg/kg)											
2-Methylnaphthalene	ND	0.073 J	ND	0.052 J	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	0.0092 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.017 J	0.013 J	ND	0.0057 J	ND	ND	ND	ND	ND	0.013 J
Benzo(a)pyrene	ND	0.046	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.013 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	0.02 J	ND	0.015 J	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	0.033 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.016 J	0.021 J	0.02 J	0.027 J	ND	0.016 J	ND	ND	ND	ND	0.023 J
Dibenzo(a,h)anthracene	ND	ND	0.01 J	ND	ND	ND	ND	ND	ND	ND	0.0097 J
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	0.016 J	0.021 J	ND	ND	ND	ND	ND	ND	ND	0.026 J
Fluorene	ND	0.012 J	ND	0.0067 J	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.016 J	ND	0.01 J	ND	ND	ND	ND	ND	0.016 J
Naphthalene, SVOC	ND	0.014 J	ND	0.014 J	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.012 J	0.084	0.016 J	0.067	0.0072 J	0.021 J	ND	ND	ND	ND	0.02 J
Pyrene	0.014 J	0.021 J	0.024 J	ND	ND	0.011 J	ND	ND	ND	ND	0.025 J

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Illinois Department of Transportation
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Northbrook, Cook County, Illinois

Total Metals (mg/k)											
Antimony, Total	0.79 J	0.48 J	0.48 J	0.78 J	0.72 J	0.64 J	0.49 J	0.38 J	0.89 J	0.53 J	0.69 J
Arsenic, Total	7.7 J	6.8	6.2	8.1	7.4	7	1.6	4.1	8.6	5.8	4.7
Barium, Total	46 J	32	51	48	39	43	7.1	33	78	31	83
Beryllium, Total	0.69	0.61	0.65	0.73	0.64	0.72	0.14 J	0.39	1	0.5	0.75
Cadmium, Total	0.21 J	0.17 J	0.28 J	0.19 J	0.2 J	0.18 J	ND	0.14 J	0.23 J	0.18 J	0.35 J
Calcium, Total	72000 F2	71000 B	52000	73000	68000	70000	24000	28000	13000	100000	17000
Chromium, Total	16	17	16	17	15	17	3.9	11	22	12	21
Cobalt, Total	11	12	10	11	8.8	11	2.2	6.4	16	6.9	10
Copper, Total	23 B	21	23 B	23 B	24 B	24 B	3.1 J	12 B	26 B	18 B	21 B
Iron, Total	17000	18000	17000 ^	18000 ^	17000 ^	18000 ^	4300 ^	11000 ^	23000 ^	13000 ^	17000 ^
Lead, Total	12 J	11	16	12	20	12	3.7	11	16	10	18
Magnesium, Total	32000 F2	39000 B	25000	40000	31000	32000	15000	17000	12000	32000	11000
Manganese, Total	450 F2	450	470	440	390	440	150	260	350	470	380
Mercury, Total	0.017	0.013 J	0.016 J	0.012 J	0.013 J	0.015 J	0.028	ND	0.021	0.013 J	0.051
Nickel, Total	29	30	26	28	26	28	4.8	15	33	21	25
Potassium, Total	3800	3000	3000	4100	3100	4000	500	1700	3200	2500	2900
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	ND	0.68	ND	ND
Silver, Total	2.3	1.7	2.6	2.2	2.2	2.3	1.1	1.7	4	2.1	3.2
Sodium, Total	570	400	2000	430	260	360	170	1300	930	860	410
Thallium, Total	1.6	1.3	2.2	1.3	1.6	1.6	0.68	1.5	3.2	1.3	2.2
Vanadium, Total	21	19	24	22	22	23	8.5	17	32	16	28
Zinc, Total	46 J	45	54 ^	39 ^	51 ^	44 ^	15	32 ^	65 ^	33 ^	72 ^
TCLP Metals (mg/l)											
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	0.53	0.68	0.41 J	0.24 J	0.34 J	0.46 J	0.08 J	0.094 J	0.55	0.28 J	0.51
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	0.012 J	0.02 J	ND	0.016 J	ND	ND	0.015 J	0.01 J	0.034	ND	ND
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	3.3	2.4	0.14	2.3	0.47	2.8	2	2.5	12	0.91	0.034
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.021 J	0.043	ND	0.033	ND	ND	ND	ND	0.035	ND	ND
Selenium, TCLP	0.023 J	ND	ND	0.02 J	ND	ND	ND	ND	ND	0.02 J	ND
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Zinc, TCLP	0.023 J	0.024 J	ND	ND	ND	0.026 J	0.036 J	0.037 J	ND	0.03 J	0.029 J

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Northbrook, Cook County, Illinois

SPLP Metals (mg/l)											
Arsenic, SPLP	0.047 J	ND	0.077	ND	0.019 J	0.037 J	ND	ND	0.038 J	0.053	0.02 J
Barium, SPLP	0.49 J	0.25 J	0.58	0.053 J	0.21 J	0.29 J	0.05 J	ND	0.41 J	0.33 J	0.4 J
Beryllium, SPLP	0.0069	ND	0.0091	ND	ND	0.0053	ND	ND	0.0049	0.0052	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.16	0.081	0.23	ND	0.07	0.11	0.021 J	0.015 J	0.11	0.12	0.11
Cobalt, SPLP	0.067	0.033	0.047	ND	0.013 J	0.049	ND	ND	0.038	0.03	0.023 J
Copper, SPLP	0.15	0.058	0.23	ND	0.063	0.11	0.017 J	0.014 J	0.11	0.14	0.059
Iron, SPLP	130	51	210	ND	57	120	16	11	100	110	83
Lead, SPLP	0.072	0.016	0.078	ND	0.024	0.066	0.017	0.0084	0.048	0.045	0.057
Manganese, SPLP	1.6 J	0.58	1.1	0.079	0.22	0.8	0.14	0.15	0.9	0.62	0.48
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.16	0.084	0.2	ND	0.054	0.12	0.016 J	0.011 J	0.12	0.12	0.066
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	NA	NA	NA	NA	NA	NA	NA	NA	0.0021	NA	NA
Zinc, SPLP	0.29 J	0.15 J	0.53	0.021 J	0.14 J	0.27 J	0.074 J	0.05 J	0.22 J	0.3 J	0.27 J

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Comparison of Detected Constituents to Applicable Reference Concentrations
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Illinois Department of Transportation
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Location	S6-4	S9-1	S9-1	S9-1	S10-1	S10-1	Soil Reference Concentrations ^A
Sample Date	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	
Field Sample ID	S6-4(7-10)-092619	S9-1(0-4)-092619	S9-1(4-10)-092619D	S9-1(4-10)-092619	S10-1(0-4)-092619	S10-1(4-10)-092619	
Lab Sample ID	500-170817-4	500-170820-6	500-170820-8	500-170820-7	500-170820-4	500-170820-5	
Laboratory pH (s.u.)	8.6	8.2	7.8	7.9	8.3	7.7	<6.25,>9.0
VOCs (mg/kg)							
Acetone	ND	ND	0.018 J	ND	0.02 J	0.016 J	25
SVOCs (mg/kg)							
2-Methylnaphthalene	0.015 J	0.017 J	0.029 J	0.068 J	ND	0.15	---
Acenaphthene	ND	ND	ND	ND	ND	0.0069 J	570
Anthracene	ND	0.0074 J	ND	ND	0.017 J	0.0095 J	12000
Benzo(a)anthracene	ND	0.017 J	0.01 J	0.0076 J	0.073	0.0083 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	0.056	0.054	0.092	0.045	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	0.013 J	0.028 J	0.02 J	0.13	0.02 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.013 J	0.013 J	0.015 J	0.018 J	0.042	0.017 J	---
Benzo(k)fluoranthene	ND	ND	0.036 J	ND	0.063	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	0.073 J	0.07 J	46
Chrysene	0.022 J	0.015 J	0.032 J	0.027 J	0.079	0.036	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.021 J	ND	0.09 / 0.2 / 0.42
Diethylphthalate	ND	ND	ND	0.074 J	ND	0.072 J	470
Fluoranthene	ND	0.015 J	0.033 J	0.021 J	0.16	0.024 J	3100
Fluorene	ND	ND	ND	0.006 J	ND	0.0081 J	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.058	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	0.0082 J	0.012 J	ND	0.022 J	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	0.066 J	1
Phenanthrene	0.04	0.049	0.051	0.069	0.062	0.11	---
Pyrene	0.015 J	0.017 J	0.031 J	0.023 J	0.12	0.029 J	2300

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Total Metals (mg/k)							
Antimony, Total	0.6 J	0.64 J	0.52 J	0.46 J	0.26 J	0.47 J	5
Arsenic, Total	5.2	6.9	6.4	7.3	6.7	7.2	11.3 / 13
Barium, Total	42	37	29	39	38	44	1500
Beryllium, Total	0.72	0.67	0.78	0.67	0.63	0.65	22
Cadmium, Total	0.19 J	0.21 J	0.23 J	0.22 J	0.31 J	0.17 J	5.2
Calcium, Total	70000	66000 B	68000 B	55000 B	55000 B	76000 B	---
Chromium, Total	17	19	19	18	19	17	21
Cobalt, Total	9.6	12	13	12	11	12	20
Copper, Total	22 B	22	28	22	24	21	2900
Iron, Total	18000 ^	19000	19000	19000	18000	18000	15000 / 15900
Lead, Total	11	13	15	13	30	12	107
Magnesium, Total	32000	31000 B	32000 B	26000 B	26000 B	41000 B	325000
Manganese, Total	410	430	550	420	500	460	630 / 636
Mercury, Total	0.013 J	0.013 J	0.012 J	0.017 J	0.019	0.013 J	0.89
Nickel, Total	25	32	32	32	28	30	100
Potassium, Total	4200	3500	3800	3400	2700	3400	---
Selenium, Total	ND	ND	ND	ND	ND	ND	1.3
Silver, Total	2.2	1.9	2	2.2	2	1.9	4.4
Sodium, Total	310	850	570	690	1200	850	---
Thallium, Total	1.9	1.4	1.6	1.8	1.2	0.97	2.6
Vanadium, Total	23	20	22	21	22	19	550
Zinc, Total	40 ^	53	84	54	77	41	5100
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.48 J	0.64	0.57	0.59	0.46 J	0.29 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	0.011 J	0.014 J	0.019 J	0.012 J	0.014 J	0.014 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.6	2.7	3.4	3.6	5.3	2.2	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.02 J	0.02 J	0.035	0.015 J	0.014 J	0.022 J	0.1
Selenium, TCLP	0.026 J	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	0.05
Thallium, TCLP	NA	NA	NA	NA	NA	NA	---
Zinc, TCLP	0.021 J	0.022 J	0.029 J	ND	0.039 J	ND	5

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SPLP Metals (mg/l)							
Arsenic, SPLP	0.017 J	0.032 J	ND	ND	0.057	ND	0.05
Barium, SPLP	0.2 J	0.51	ND	ND	0.57	ND	2
Beryllium, SPLP	ND	0.0062	ND	ND	0.0077	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.067	0.15	ND	ND	0.19	ND	0.1
Cobalt, SPLP	0.016 J	0.08	ND	ND	0.11	ND	1
Copper, SPLP	0.052	0.14	ND	ND	0.25	ND	0.65
Iron, SPLP	45	110	1.6	2.8	170	0.24 J	5
Lead, SPLP	0.014	0.056	ND	ND	0.14	ND	0.0075
Manganese, SPLP	0.28	1.3	0.031	0.046	2.3	0.029	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.054	0.19	ND	ND	0.25	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	0.014 J	ND	ND	0.02 J	ND	0.05
Thallium, SPLP	NA	NA	NA	NA	NA	NA	---
Zinc, SPLP	0.11 J	0.38 J	ND	ND	0.58	0.038 J	5

Notes:

--- - not applicable or value not available.

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

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

F2 - Matrix Spike (MS)/Matrix Spike Duplicate (MSD) Relative Percent Difference (RPD) exceeds control limits

J - Estimated concentration.

NA - Constituent not analyzed.

ND - Constituent not detected above the reporting limit.

[^] - Instrument related Quality Control (QC) is outside acceptance limits.

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

ANALYTICAL REPORT

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

Laboratory Job ID: 500-170817-1
Client Project/Site: IDOT - Northbrook - WO 005

For:

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
10/11/2019 5:15:05 PM

Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(0-4)-092619

Lab Sample ID: 500-170817-3

Date Collected: 09/26/19 11:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Acetone	<18		18	7.7	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Chloroethane	<4.4 *		4.4	1.3	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Methyl Ethyl Ketone	<4.4 *		4.4	2.0	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	09/27/19 17:26	10/03/19 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	09/27/19 17:26	10/03/19 13:14	1
4-Bromofluorobenzene (Surr)	88		75 - 131	09/27/19 17:26	10/03/19 13:14	1
Dibromofluoromethane	100		75 - 126	09/27/19 17:26	10/03/19 13:14	1
Toluene-d8 (Surr)	93		75 - 124	09/27/19 17:26	10/03/19 13:14	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	☼	10/04/19 07:51	10/07/19 15:01	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,2'-oxybis[1-chloropropane]	<200 *		200	47	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(0-4)-092619

Lab Sample ID: 500-170817-3

Date Collected: 09/26/19 11:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,4-Dinitrophenol	<820	*	820	710	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2-Methylphenol	<200		200	65	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
4-Nitrophenol	<820		820	380	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Anthracene	<40		40	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Benzo[a]anthracene	13	J	40	5.4	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Benzo[a]pyrene	23	J B	40	7.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Benzo[b]fluoranthene	27	J B	40	8.7	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Carbazole	<200		200	100	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Chrysene	23	J	40	11	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Dibenz(a,h)anthracene	9.7	J	40	7.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Fluoranthene	26	J	40	7.5	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Fluorene	<40		40	5.7	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(0-4)-092619

Lab Sample ID: 500-170817-3

Date Collected: 09/26/19 11:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	16	J	40	10	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Isophorone	<200		200	45	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Naphthalene	<40		40	6.2	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Nitrobenzene	<40		40	10	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Phenanthrene	20	J	40	5.6	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Phenol	<200	*	200	90	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Pyrene	25	J	40	8.0	ug/Kg	☼	10/04/19 07:51	10/07/19 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		31 - 143				10/04/19 07:51	10/07/19 15:01	1
2-Fluorobiphenyl	83		43 - 145				10/04/19 07:51	10/07/19 15:01	1
2-Fluorophenol	89		31 - 166				10/04/19 07:51	10/07/19 15:01	1
Nitrobenzene-d5	88		37 - 147				10/04/19 07:51	10/07/19 15:01	1
Phenol-d5	115		30 - 153				10/04/19 07:51	10/07/19 15:01	1
Terphenyl-d14	86		42 - 157				10/04/19 07:51	10/07/19 15:01	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Barium	0.51		0.50	0.050	mg/L		10/07/19 08:36	10/07/19 21:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 21:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 21:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 21:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 21:27	1
Manganese	0.034		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 21:27	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:27	1
Zinc	0.029	J	0.50	0.020	mg/L		10/07/19 08:36	10/07/19 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		10/07/19 08:33	10/08/19 12:04	1
Barium	0.40	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:04	1
Beryllium	0.0040		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:04	1
Chromium	0.11		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:04	1
Cobalt	0.023	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:04	1
Copper	0.059		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:04	1
Iron	83		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:04	1
Lead	0.057		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:04	1
Manganese	0.48		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:04	1
Nickel	0.066		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:04	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(0-4)-092619

Lab Sample ID: 500-170817-3

Date Collected: 09/26/19 11:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 79.1

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		10/07/19 08:33	10/08/19 12:04	1
Zinc	0.27	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:04	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	☼	10/07/19 09:02	10/08/19 01:28	1
Arsenic	4.7		0.60	0.21	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Barium	83		0.60	0.069	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Beryllium	0.75		0.24	0.056	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Cadmium	0.35	B	0.12	0.022	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Calcium	17000		12	2.0	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Chromium	21		0.60	0.30	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Cobalt	10		0.30	0.079	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Copper	21	B	0.60	0.17	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Iron	17000	^	12	6.3	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Lead	18		0.30	0.14	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Magnesium	11000		6.0	3.0	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Manganese	380		0.60	0.087	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Nickel	25		0.60	0.17	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Potassium	2900		30	11	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Silver	3.2		0.30	0.078	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Sodium	410		60	8.9	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Thallium	2.2		0.60	0.30	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Vanadium	28		0.30	0.071	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	1
Zinc	72	^	1.2	0.53	mg/Kg	☼	10/07/19 09:02	10/08/19 01:28	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		10/03/19 10:00	10/04/19 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		10/03/19 10:00	10/04/19 10:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	51		20	6.6	ug/Kg	☼	10/02/19 14:30	10/03/19 07:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/03/19 16:51	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(7-10)-092619

Lab Sample ID: 500-170817-4

Date Collected: 09/26/19 12:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Acetone	<15		15	6.5	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Chloroethane	<3.7 *		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Methyl Ethyl Ketone	<3.7 *		3.7	1.6	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	09/27/19 17:26	10/03/19 13:41	1
4-Bromofluorobenzene (Surr)	90		75 - 131	09/27/19 17:26	10/03/19 13:41	1
Dibromofluoromethane	100		75 - 126	09/27/19 17:26	10/03/19 13:41	1
Toluene-d8 (Surr)	96		75 - 124	09/27/19 17:26	10/03/19 13:41	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	☼	10/04/19 07:51	10/07/19 19:39	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,2'-oxybis[1-chloropropane]	<190 *		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(7-10)-092619

Lab Sample ID: 500-170817-4

Date Collected: 09/26/19 12:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,4-Dinitrophenol	<750	*	750	650	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2-Methylnaphthalene	15	J	75	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Benzo[a]pyrene	9.1	J B	37	7.2	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Benzo[b]fluoranthene	14	J B	37	8.0	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Benzo[g,h,i]perylene	13	J	37	12	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Carbazole	<190		190	93	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Chrysene	22	J	37	10	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(7-10)-092619

Lab Sample ID: 500-170817-4

Date Collected: 09/26/19 12:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Isophorone	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Phenanthrene	40		37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Phenol	<190 *		190	83	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1
Pyrene	15 J		37	7.4	ug/Kg	☼	10/04/19 07:51	10/07/19 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		31 - 143	10/04/19 07:51	10/07/19 19:39	1
2-Fluorobiphenyl	89		43 - 145	10/04/19 07:51	10/07/19 19:39	1
2-Fluorophenol	108		31 - 166	10/04/19 07:51	10/07/19 19:39	1
Nitrobenzene-d5	97		37 - 147	10/04/19 07:51	10/07/19 19:39	1
Phenol-d5	127		30 - 153	10/04/19 07:51	10/07/19 19:39	1
Terphenyl-d14	91		42 - 157	10/04/19 07:51	10/07/19 19:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Barium	0.48 J		0.50	0.050	mg/L		10/07/19 08:36	10/07/19 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 21:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 21:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Cobalt	0.011 J		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 21:40	1
Manganese	1.6		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Nickel	0.020 J		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Selenium	0.026 J		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 21:40	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:40	1
Zinc	0.021 J		0.50	0.020	mg/L		10/07/19 08:36	10/07/19 21:40	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		10/07/19 08:33	10/08/19 12:08	1
Barium	0.20 J		0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:08	1
Chromium	0.067		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:08	1
Cobalt	0.016 J		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:08	1
Copper	0.052		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:08	1
Iron	45		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:08	1
Lead	0.014		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:08	1
Manganese	0.28		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:08	1
Nickel	0.054		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:08	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-4(7-10)-092619

Lab Sample ID: 500-170817-4

Date Collected: 09/26/19 12:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:08	1
Zinc	0.11	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J	1.1	0.22	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Arsenic	5.2		0.57	0.20	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Barium	42		0.57	0.065	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Beryllium	0.72		0.23	0.054	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Cadmium	0.19	B	0.11	0.021	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Calcium	70000		57	9.7	mg/Kg	☼	10/07/19 09:02	10/08/19 13:21	5
Chromium	17		0.57	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Cobalt	9.6		0.29	0.075	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Copper	22	B	0.57	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Iron	18000	^	11	6.0	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Lead	11		0.29	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 11:26	1
Magnesium	32000		5.7	2.8	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Manganese	410		0.57	0.083	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Nickel	25		0.57	0.17	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Potassium	4200		29	10	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Silver	2.2		0.29	0.074	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Sodium	310		57	8.5	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Thallium	1.9		0.57	0.29	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Vanadium	23		0.29	0.068	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1
Zinc	40	^	1.1	0.50	mg/Kg	☼	10/07/19 09:02	10/08/19 01:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	5.8	ug/Kg	☼	10/02/19 14:30	10/03/19 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/03/19 16:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (0-4)-092619

Lab Sample ID: 500-170817-5

Date Collected: 09/26/19 12:05

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Acetone	47		16	7.1	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Carbon disulfide	<4.1		4.1	0.84	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Chloroethane	<4.1 *		4.1	1.2	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	09/27/19 17:26	10/04/19 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	09/27/19 17:26	10/04/19 11:36	1
4-Bromofluorobenzene (Surr)	87		75 - 131	09/27/19 17:26	10/04/19 11:36	1
Dibromofluoromethane	99		75 - 126	09/27/19 17:26	10/04/19 11:36	1
Toluene-d8 (Surr)	95		75 - 124	09/27/19 17:26	10/04/19 11:36	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	41	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,2'-oxybis[1-chloropropane]	<190 *		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (0-4)-092619

Lab Sample ID: 500-170817-5

Date Collected: 09/26/19 12:05

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Benzo[b]fluoranthene	9.9	J B	37	8.1	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Carbazole	<190		190	94	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Chrysene	<37		37	10	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (0-4)-092619

Lab Sample ID: 500-170817-5

Date Collected: 09/26/19 12:05

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Isophorone	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Phenol	<190	*	190	84	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1
Pyrene	<37		37	7.5	ug/Kg	☼	10/04/19 07:51	10/07/19 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		31 - 143	10/04/19 07:51	10/07/19 15:27	1
2-Fluorobiphenyl	90		43 - 145	10/04/19 07:51	10/07/19 15:27	1
2-Fluorophenol	107		31 - 166	10/04/19 07:51	10/07/19 15:27	1
Nitrobenzene-d5	96		37 - 147	10/04/19 07:51	10/07/19 15:27	1
Phenol-d5	129		30 - 153	10/04/19 07:51	10/07/19 15:27	1
Terphenyl-d14	85		42 - 157	10/04/19 07:51	10/07/19 15:27	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		10/07/19 08:36	10/07/19 21:44	1
Barium	0.55		0.50	0.050	mg/L		10/07/19 08:36	10/07/19 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 21:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 21:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:44	1
Cobalt	0.034		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:44	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:44	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 21:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 21:44	1
Manganese	12		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:44	1
Nickel	0.035		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 21:44	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:44	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 08:36	10/07/19 21:44	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		10/07/19 08:33	10/08/19 12:12	1
Barium	0.41	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:12	1
Beryllium	0.0049		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:12	1
Chromium	0.11		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:12	1
Cobalt	0.038		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:12	1
Copper	0.11		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:12	1
Iron	100		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:12	1
Lead	0.048		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:12	1
Manganese	0.90		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:12	1
Nickel	0.12		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:12	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (0-4)-092619

Lab Sample ID: 500-170817-5

Date Collected: 09/26/19 12:05

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 83.8

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		10/07/19 08:33	10/08/19 12:12	1
Zinc	0.22	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.89	J	1.1	0.22	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Arsenic	8.6		0.57	0.19	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Barium	78		0.57	0.065	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Beryllium	1.0		0.23	0.053	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Cadmium	0.23	B	0.11	0.020	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Calcium	13000		11	1.9	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Chromium	22		0.57	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Cobalt	16		0.28	0.074	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Copper	26	B	0.57	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Iron	23000	^	11	5.9	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Lead	16		0.28	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Magnesium	12000		5.7	2.8	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Manganese	350		0.57	0.082	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Nickel	33		0.57	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Potassium	3200		28	10	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Selenium	0.68		0.57	0.33	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Silver	4.0		0.28	0.073	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Sodium	930		57	8.4	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Thallium	3.2		0.57	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Vanadium	32		0.28	0.067	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1
Zinc	65	^	1.1	0.50	mg/Kg	☼	10/07/19 09:02	10/08/19 01:37	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		10/07/19 08:36	10/08/19 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.0021		0.0020	0.0020	mg/L		10/07/19 08:33	10/08/19 13:54	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		10/03/19 10:00	10/04/19 09:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		19	6.2	ug/Kg	☼	10/02/19 14:30	10/03/19 07:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/03/19 16:57	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (4-10)-092619

Lab Sample ID: 500-170817-6

Date Collected: 09/26/19 12:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Acetone	<16		16	7.0	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Chloroethane	<4.0 *		4.0	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Methyl Ethyl Ketone	<4.0 *		4.0	1.8	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	09/27/19 17:26	10/03/19 14:36	1
4-Bromofluorobenzene (Surr)	87		75 - 131	09/27/19 17:26	10/03/19 14:36	1
Dibromofluoromethane	102		75 - 126	09/27/19 17:26	10/03/19 14:36	1
Toluene-d8 (Surr)	93		75 - 124	09/27/19 17:26	10/03/19 14:36	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	41	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,2'-oxybis[1-chloropropane]	<190 *		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (4-10)-092619

Lab Sample ID: 500-170817-6

Date Collected: 09/26/19 12:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,4-Dinitrophenol	<760	*	760	670	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2-Methylnaphthalene	<76		76	7.0	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Anthracene	<38		38	6.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Benzo[b]fluoranthene	9.6	J B	38	8.2	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Carbazole	<190		190	94	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Chrysene	<38		38	10	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (4-10)-092619

Lab Sample ID: 500-170817-6

Date Collected: 09/26/19 12:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Isophorone	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Phenol	<190 *		190	84	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1
Pyrene	<38		38	7.5	ug/Kg	☼	10/04/19 07:51	10/07/19 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		31 - 143	10/04/19 07:51	10/07/19 15:52	1
2-Fluorobiphenyl	86		43 - 145	10/04/19 07:51	10/07/19 15:52	1
2-Fluorophenol	110		31 - 166	10/04/19 07:51	10/07/19 15:52	1
Nitrobenzene-d5	97		37 - 147	10/04/19 07:51	10/07/19 15:52	1
Phenol-d5	127		30 - 153	10/04/19 07:51	10/07/19 15:52	1
Terphenyl-d14	89		42 - 157	10/04/19 07:51	10/07/19 15:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Barium	0.28	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 21:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 21:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 21:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 21:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 21:48	1
Manganese	0.91		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Selenium	0.020	J	0.050	0.020	mg/L		10/07/19 08:36	10/07/19 21:48	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:48	1
Zinc	0.030	J	0.50	0.020	mg/L		10/07/19 08:36	10/07/19 21:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Barium	0.33	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:16	1
Beryllium	0.0052		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:16	1
Chromium	0.12		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Cobalt	0.030		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Copper	0.14		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Iron	110		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:16	1
Lead	0.045		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:16	1
Manganese	0.62		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Nickel	0.12		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:16	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-3 (4-10)-092619

Lab Sample ID: 500-170817-6

Date Collected: 09/26/19 12:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:16	1
Zinc	0.30	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.2	0.22	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Arsenic	5.8		0.58	0.20	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Barium	31		0.58	0.066	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Beryllium	0.50		0.23	0.054	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Cadmium	0.18	B	0.12	0.021	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Calcium	100000		58	9.8	mg/Kg	☼	10/07/19 09:02	10/08/19 13:25	5
Chromium	12		0.58	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Cobalt	6.9		0.29	0.075	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Copper	18	B	0.58	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Iron	13000	^	12	6.0	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Lead	10		0.29	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 11:30	1
Magnesium	32000		5.8	2.9	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Manganese	470		0.58	0.083	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Nickel	21		0.58	0.17	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Potassium	2500		29	10	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Silver	2.1		0.29	0.074	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Sodium	860		58	8.5	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Thallium	1.3		0.58	0.29	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Vanadium	16		0.29	0.068	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	1
Zinc	33	^	1.2	0.51	mg/Kg	☼	10/07/19 09:02	10/08/19 01:41	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		10/03/19 10:00	10/04/19 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	19	6.3	ug/Kg	☼	10/02/19 14:30	10/03/19 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(0-4)-092619

Lab Sample ID: 500-170817-7

Date Collected: 09/26/19 12:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.71	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,1,1,2-Tetrachloroethane	<2.1		2.1	0.67	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,1,2-Trichloroethane	<2.1		2.1	0.91	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,1-Dichloroethane	<2.1		2.1	0.72	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,1-Dichloroethene	<2.1		2.1	0.73	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,2-Dichloroethane	<5.3		5.3	1.6	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,2-Dichloropropane	<2.1		2.1	0.55	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
1,3-Dichloropropene, Total	<2.1		2.1	0.74	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Acetone	<21		21	9.2	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Benzene	<2.1		2.1	0.54	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Bromodichloromethane	<2.1		2.1	0.43	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Bromoform	<2.1		2.1	0.62	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Carbon disulfide	<5.3		5.3	1.1	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Carbon tetrachloride	<2.1		2.1	0.61	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Chlorobenzene	<2.1		2.1	0.78	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Chloroethane	<5.3 *		5.3	1.6	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Chloroform	<2.1		2.1	0.73	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Chloromethane	<5.3		5.3	2.1	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
cis-1,2-Dichloroethene	<2.1		2.1	0.59	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
cis-1,3-Dichloropropene	<2.1		2.1	0.64	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Dibromochloromethane	<2.1		2.1	0.69	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Ethylbenzene	<2.1		2.1	1.0	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Methyl Ethyl Ketone	<5.3		5.3	2.3	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
methyl isobutyl ketone	<5.3		5.3	1.6	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Methyl tert-butyl ether	<2.1		2.1	0.62	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Methylene Chloride	<5.3		5.3	2.1	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Styrene	<2.1		2.1	0.64	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Tetrachloroethene	<2.1		2.1	0.72	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Toluene	<2.1		2.1	0.53	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
trans-1,2-Dichloroethene	<2.1		2.1	0.94	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
trans-1,3-Dichloropropene	<2.1		2.1	0.74	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Trichloroethene	<2.1		2.1	0.71	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Vinyl chloride	<2.1		2.1	0.93	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1
Xylenes, Total	<4.2		4.2	0.68	ug/Kg	☼	09/27/19 17:26	10/04/19 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	09/27/19 17:26	10/04/19 12:02	1
4-Bromofluorobenzene (Surr)	87		75 - 131	09/27/19 17:26	10/04/19 12:02	1
Dibromofluoromethane	102		75 - 126	09/27/19 17:26	10/04/19 12:02	1
Toluene-d8 (Surr)	92		75 - 124	09/27/19 17:26	10/04/19 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,2'-oxybis[1-chloropropane]	<180 *		180	41	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(0-4)-092619

Lab Sample ID: 500-170817-7

Date Collected: 09/26/19 12:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	82	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2-Methylphenol	<180		180	57	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Anthracene	<35		35	6.0	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Benzo[a]anthracene	<35		35	4.8	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Benzo[a]pyrene	10	J B	35	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Benzo[b]fluoranthene	11	J B	35	7.7	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Benzo[g,h,i]perylene	<35		35	12	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Benzo[k]fluoranthene	<35		35	11	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Carbazole	<180		180	89	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Chrysene	<35		35	9.7	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Fluoranthene	<35		35	6.6	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Fluorene	<35		35	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Hexachloroethane	<180		180	54	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(0-4)-092619

Lab Sample ID: 500-170817-7

Date Collected: 09/26/19 12:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<35		35	9.3	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Isophorone	<180		180	40	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Naphthalene	<35		35	5.5	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Phenol	<180	*	180	79	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1
Pyrene	<35		35	7.1	ug/Kg	☼	10/04/19 07:51	10/07/19 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	44		31 - 143	10/04/19 07:51	10/07/19 16:17	1
2-Fluorobiphenyl	80		43 - 145	10/04/19 07:51	10/07/19 16:17	1
2-Fluorophenol	94		31 - 166	10/04/19 07:51	10/07/19 16:17	1
Nitrobenzene-d5	86		37 - 147	10/04/19 07:51	10/07/19 16:17	1
Phenol-d5	113		30 - 153	10/04/19 07:51	10/07/19 16:17	1
Terphenyl-d14	82		42 - 157	10/04/19 07:51	10/07/19 16:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Barium	0.080	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 21:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 21:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 21:52	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Cobalt	0.015	J	0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 21:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 21:52	1
Manganese	2.0		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 21:52	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:52	1
Zinc	0.036	J	0.50	0.020	mg/L		10/07/19 08:36	10/07/19 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Barium	0.050	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:21	1
Chromium	0.021	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Copper	0.017	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Iron	16		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:21	1
Lead	0.017		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:21	1
Manganese	0.14		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Nickel	0.016	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:21	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(0-4)-092619

Lab Sample ID: 500-170817-7

Date Collected: 09/26/19 12:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:21	1
Zinc	0.074	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:21	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	☼	10/07/19 09:02	10/08/19 01:45	1
Arsenic	1.6		0.54	0.19	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Barium	7.1		0.54	0.062	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Beryllium	0.14	J	0.22	0.051	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Cadmium	0.056	J B	0.11	0.020	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Calcium	24000		11	1.8	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Chromium	3.9		0.54	0.27	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Cobalt	2.2		0.27	0.071	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Copper	3.1	B	0.54	0.15	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Iron	4300	^	11	5.7	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Lead	3.7		0.27	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Magnesium	15000		5.4	2.7	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Manganese	150		0.54	0.079	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Nickel	4.8		0.54	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Potassium	500		27	9.6	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Silver	1.1		0.27	0.070	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Sodium	170		54	8.0	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Thallium	0.68		0.54	0.27	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Vanadium	8.5		0.27	0.064	mg/Kg	☼	10/07/19 09:02	10/08/19 01:45	1
Zinc	15		1.1	0.48	mg/Kg	☼	10/07/19 09:02	10/08/19 11:38	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		10/03/19 10:00	10/04/19 09:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	5.9	ug/Kg	☼	10/02/19 14:30	10/03/19 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(4-10)-092619

Lab Sample ID: 500-170817-8

Date Collected: 09/26/19 12:30

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,1-Dichloroethane	<1.9		1.9	0.65	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Acetone	12	J	19	8.2	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Carbon disulfide	<4.7		4.7	0.98	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Chlorobenzene	<1.9		1.9	0.70	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Chloroethane	<4.7	*	4.7	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Dibromochloromethane	<1.9		1.9	0.62	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Ethylbenzene	<1.9		1.9	0.91	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Methyl Ethyl Ketone	<4.7	*	4.7	2.1	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Methylene Chloride	<4.7		4.7	1.9	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
trans-1,2-Dichloroethene	<1.9		1.9	0.84	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Trichloroethene	<1.9		1.9	0.64	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Vinyl chloride	<1.9		1.9	0.84	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	09/27/19 17:26	10/03/19 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	09/27/19 17:26	10/03/19 15:30	1
4-Bromofluorobenzene (Surr)	88		75 - 131	09/27/19 17:26	10/03/19 15:30	1
Dibromofluoromethane	97		75 - 126	09/27/19 17:26	10/03/19 15:30	1
Toluene-d8 (Surr)	95		75 - 124	09/27/19 17:26	10/03/19 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,2'-oxybis[1-chloropropane]	<190	*	190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(4-10)-092619

Lab Sample ID: 500-170817-8

Date Collected: 09/26/19 12:30

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,4-Dinitrophenol	<780 *		780	680	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Benzo[a]pyrene	10	J B	38	7.4	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Benzo[b]fluoranthene	12	J B	38	8.3	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Carbazole	<190		190	96	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Chrysene	<38		38	10	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(4-10)-092619

Lab Sample ID: 500-170817-8

Date Collected: 09/26/19 12:30

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Isophorone	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Phenol	<190 *		190	85	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/04/19 07:51	10/07/19 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		31 - 143	10/04/19 07:51	10/07/19 16:43	1
2-Fluorobiphenyl	81		43 - 145	10/04/19 07:51	10/07/19 16:43	1
2-Fluorophenol	89		31 - 166	10/04/19 07:51	10/07/19 16:43	1
Nitrobenzene-d5	85		37 - 147	10/04/19 07:51	10/07/19 16:43	1
Phenol-d5	113		30 - 153	10/04/19 07:51	10/07/19 16:43	1
Terphenyl-d14	78		42 - 157	10/04/19 07:51	10/07/19 16:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Barium	0.094	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 21:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Cobalt	0.010	J	0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 21:56	1
Manganese	2.5		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 21:56	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 21:56	1
Zinc	0.037	J	0.50	0.020	mg/L		10/07/19 08:36	10/07/19 21:56	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		10/07/19 08:33	10/08/19 12:25	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:25	1
Chromium	0.015	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:25	1
Copper	0.014	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:25	1
Iron	11		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:25	1
Lead	0.0084		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:25	1
Manganese	0.15		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:25	1
Nickel	0.011	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S6-2(4-10)-092619

Lab Sample ID: 500-170817-8

Date Collected: 09/26/19 12:30

Matrix: Solid

Date Received: 09/27/19 12:45

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		10/07/19 08:33	10/08/19 12:25	1
Zinc	0.050	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.2	0.23	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Arsenic	4.1		0.59	0.20	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Barium	33		0.59	0.067	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Beryllium	0.39		0.23	0.055	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Calcium	28000		12	2.0	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Chromium	11		0.59	0.29	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Cobalt	6.4		0.29	0.077	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Copper	12	B	0.59	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Iron	11000	^	12	6.1	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Lead	11		0.29	0.14	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Magnesium	17000		5.9	2.9	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Manganese	260		0.59	0.085	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Nickel	15		0.59	0.17	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Potassium	1700		29	10	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Silver	1.7		0.29	0.076	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Sodium	1300		59	8.7	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Thallium	1.5		0.59	0.29	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Vanadium	17		0.29	0.069	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1
Zinc	32	^	1.2	0.52	mg/Kg	☼	10/07/19 09:02	10/08/19 01:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<19		19	6.5	ug/Kg	☼	10/02/19 14:30	10/03/19 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(0-4)-092619

Lab Sample ID: 500-170817-12

Date Collected: 09/26/19 13:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Acetone	<15		15	6.4	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Chloroethane	<3.7 *		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Methyl Ethyl Ketone	<3.7 *		3.7	1.6	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	09/27/19 17:26	10/03/19 17:16	1
4-Bromofluorobenzene (Surr)	88		75 - 131	09/27/19 17:26	10/03/19 17:16	1
Dibromofluoromethane	102		75 - 126	09/27/19 17:26	10/03/19 17:16	1
Toluene-d8 (Surr)	93		75 - 124	09/27/19 17:26	10/03/19 17:16	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	☼	10/04/19 07:51	10/07/19 18:24	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,2'-oxybis[1-chloropropane]	<180 *		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(0-4)-092619

Lab Sample ID: 500-170817-12

Date Collected: 09/26/19 13:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,4-Dinitrophenol	<730	*	730	630	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2-Methylnaphthalene	<73		73	6.6	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2-Methylphenol	<180		180	58	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Anthracene	<36		36	6.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Benzo[a]anthracene	5.7	J	36	4.8	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Benzo[b]fluoranthene	12	J B	36	7.8	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Carbazole	<180		180	90	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Chrysene	<36		36	9.8	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Fluorene	<36		36	5.1	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Hexachloroethane	<180		180	55	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(0-4)-092619

Lab Sample ID: 500-170817-12

Date Collected: 09/26/19 13:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	10	J	36	9.3	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Isophorone	<180		180	40	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Naphthalene	<36		36	5.5	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Phenanthrene	7.2	J	36	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Phenol	<180	*	180	80	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Pyrene	<36		36	7.2	ug/Kg	☼	10/04/19 07:51	10/07/19 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	49		31 - 143				10/04/19 07:51	10/07/19 18:24	1
<i>2-Fluorobiphenyl</i>	92		43 - 145				10/04/19 07:51	10/07/19 18:24	1
<i>2-Fluorophenol</i>	115		31 - 166				10/04/19 07:51	10/07/19 18:24	1
<i>Nitrobenzene-d5</i>	101		37 - 147				10/04/19 07:51	10/07/19 18:24	1
<i>Phenol-d5</i>	134		30 - 153				10/04/19 07:51	10/07/19 18:24	1
<i>Terphenyl-d14</i>	98		42 - 157				10/04/19 07:51	10/07/19 18:24	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Barium	0.34	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 22:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 22:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 22:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Iron	0.26	J	0.40	0.20	mg/L		10/07/19 08:36	10/07/19 22:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 22:13	1
Manganese	0.47		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 22:13	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:13	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 08:36	10/07/19 22:13	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		10/07/19 08:33	10/08/19 12:50	1
Barium	0.21	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:50	1
Chromium	0.070		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:50	1
Cobalt	0.013	J	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:50	1
Copper	0.063		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:50	1
Iron	57		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:50	1
Lead	0.024		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:50	1
Manganese	0.22		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:50	1
Nickel	0.054		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(0-4)-092619

Lab Sample ID: 500-170817-12

Date Collected: 09/26/19 13:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:50	1
Zinc	0.14	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.72	J	1.1	0.21	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Arsenic	7.4		0.55	0.19	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Barium	39		0.55	0.063	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Beryllium	0.64		0.22	0.052	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Calcium	68000		55	9.4	mg/Kg	☼	10/07/19 09:02	10/08/19 13:41	5
Chromium	15		0.55	0.27	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Cobalt	8.8		0.28	0.072	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Copper	24	B	0.55	0.15	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Iron	17000	^	11	5.7	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Lead	20		0.28	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 12:02	1
Magnesium	31000		5.5	2.7	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Manganese	390		0.55	0.080	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Nickel	26		0.55	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Potassium	3100		28	9.8	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Silver	2.2		0.28	0.071	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Sodium	260		55	8.2	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Thallium	1.6		0.55	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Vanadium	22		0.28	0.065	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	1
Zinc	51	^	1.1	0.48	mg/Kg	☼	10/07/19 09:02	10/08/19 02:13	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		10/03/19 10:00	10/04/19 09:19	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		10/03/19 10:00	10/04/19 11:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	5.6	ug/Kg	☼	10/02/19 14:30	10/03/19 08:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(4-10)-092619

Lab Sample ID: 500-170817-13

Date Collected: 09/26/19 14:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Acetone	11	J	15	6.5	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Carbon disulfide	<3.7		3.7	0.78	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Chloroethane	<3.7	*	3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Methyl Ethyl Ketone	<3.7	*	3.7	1.7	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	09/27/19 17:26	10/03/19 17:42	1
4-Bromofluorobenzene (Surr)	88		75 - 131	09/27/19 17:26	10/03/19 17:42	1
Dibromofluoromethane	103		75 - 126	09/27/19 17:26	10/03/19 17:42	1
Toluene-d8 (Surr)	97		75 - 124	09/27/19 17:26	10/03/19 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,2'-oxybis[1-chloropropane]	<190	*	190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(4-10)-092619

Lab Sample ID: 500-170817-13

Date Collected: 09/26/19 14:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,4-Dinitrophenol	<740	*	740	650	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2-Methylphenol	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Benzo[b]fluoranthene	10	J B	37	8.0	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Carbazole	<190		190	92	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Chrysene	16	J	37	10	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(4-10)-092619

Lab Sample ID: 500-170817-13

Date Collected: 09/26/19 14:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Isophorone	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Phenanthrene	21	J	37	5.1	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Phenol	<190	*	190	82	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Pyrene	11	J	37	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		31 - 143				10/04/19 07:51	10/07/19 18:49	1
2-Fluorobiphenyl	93		43 - 145				10/04/19 07:51	10/07/19 18:49	1
2-Fluorophenol	116		31 - 166				10/04/19 07:51	10/07/19 18:49	1
Nitrobenzene-d5	103		37 - 147				10/04/19 07:51	10/07/19 18:49	1
Phenol-d5	136		30 - 153				10/04/19 07:51	10/07/19 18:49	1
Terphenyl-d14	92		42 - 157				10/04/19 07:51	10/07/19 18:49	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Barium	0.46	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 22:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 22:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 22:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 22:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 22:17	1
Manganese	2.8		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 22:17	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:17	1
Zinc	0.026	J	0.50	0.020	mg/L		10/07/19 08:36	10/07/19 22:17	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		10/07/19 08:33	10/08/19 12:54	1
Barium	0.29	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 12:54	1
Beryllium	0.0053		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 12:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 12:54	1
Chromium	0.11		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:54	1
Cobalt	0.049		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:54	1
Copper	0.11		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:54	1
Iron	120		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 12:54	1
Lead	0.066		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 12:54	1
Manganese	0.80		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:54	1
Nickel	0.12		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 12:54	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S5-1(4-10)-092619

Lab Sample ID: 500-170817-13

Date Collected: 09/26/19 14:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 12:54	1
Zinc	0.27	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 12:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J	1.1	0.22	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Arsenic	7.0		0.56	0.19	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Barium	43		0.56	0.064	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Beryllium	0.72		0.22	0.052	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Calcium	70000		56	9.5	mg/Kg	☼	10/07/19 09:02	10/08/19 13:45	5
Chromium	17		0.56	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Cobalt	11		0.28	0.073	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Copper	24	B	0.56	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Iron	18000	^	11	5.8	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Lead	12		0.28	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 12:10	1
Magnesium	32000		5.6	2.8	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Manganese	440		0.56	0.081	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Nickel	28		0.56	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Potassium	4000		28	9.9	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Silver	2.3		0.28	0.072	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Sodium	360		56	8.3	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Thallium	1.6		0.56	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Vanadium	23		0.28	0.066	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1
Zinc	44	^	1.1	0.49	mg/Kg	☼	10/07/19 09:02	10/08/19 02:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	15	J	19	6.2	ug/Kg	☼	10/02/19 14:30	10/03/19 08:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(0-4)-092619

Lab Sample ID: 500-170817-16

Date Collected: 09/26/19 14:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Acetone	<15		15	6.7	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Carbon disulfide	<3.9		3.9	0.80	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Chloroethane	<3.9 *		3.9	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Chloromethane	<3.9		3.9	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Methyl Ethyl Ketone	<3.9 *		3.9	1.7	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	09/27/19 17:26	10/03/19 19:01	1
4-Bromofluorobenzene (Surr)	87		75 - 131	09/27/19 17:26	10/03/19 19:01	1
Dibromofluoromethane	100		75 - 126	09/27/19 17:26	10/03/19 19:01	1
Toluene-d8 (Surr)	95		75 - 124	09/27/19 17:26	10/03/19 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,2'-oxybis[1-chloropropane]	<200 *		200	46	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(0-4)-092619

Lab Sample ID: 500-170817-16

Date Collected: 09/26/19 14:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Anthracene	<39		39	6.6	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Benzo[a]anthracene	13	J	39	5.3	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Benzo[a]pyrene	22	J B	39	7.7	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Benzo[b]fluoranthene	25	J B	39	8.5	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Carbazole	<200		200	99	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Chrysene	20	J	39	11	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Dibenz(a,h)anthracene	10	J	39	7.7	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Fluoranthene	21	J	39	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Fluorene	<39		39	5.6	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Hexachloroethane	<200		200	60	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(0-4)-092619

Lab Sample ID: 500-170817-16

Date Collected: 09/26/19 14:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	16	J	39	10	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Isophorone	<200		200	44	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Naphthalene	<39		39	6.1	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Phenanthrene	16	J	39	5.5	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Phenol	<200	*	200	88	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Pyrene	24	J	39	7.9	ug/Kg	☼	10/04/19 07:51	10/07/19 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		31 - 143				10/04/19 07:51	10/07/19 14:36	1
2-Fluorobiphenyl	88		43 - 145				10/04/19 07:51	10/07/19 14:36	1
2-Fluorophenol	105		31 - 166				10/04/19 07:51	10/07/19 14:36	1
Nitrobenzene-d5	83		37 - 147				10/04/19 07:51	10/07/19 14:36	1
Phenol-d5	127		30 - 153				10/04/19 07:51	10/07/19 14:36	1
Terphenyl-d14	93		42 - 157				10/04/19 07:51	10/07/19 14:36	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		10/07/19 08:36	10/07/19 22:38	1
Barium	0.41	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 22:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 22:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 22:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:38	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:38	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 22:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 22:38	1
Manganese	0.14		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:36	10/07/19 22:38	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:38	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 08:36	10/07/19 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Barium	0.58		0.50	0.050	mg/L		10/07/19 08:33	10/08/19 13:06	1
Beryllium	0.0091		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 13:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 13:06	1
Chromium	0.23		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Cobalt	0.047		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Copper	0.23		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Iron	210		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 13:06	1
Lead	0.078		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 13:06	1
Manganese	1.1		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Nickel	0.20		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 13:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(0-4)-092619

Lab Sample ID: 500-170817-16

Date Collected: 09/26/19 14:45

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:06	1
Zinc	0.53		0.50	0.020	mg/L		10/07/19 08:33	10/08/19 13:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.23	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Arsenic	6.2		0.60	0.21	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Barium	51		0.60	0.069	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Beryllium	0.65		0.24	0.056	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Cadmium	0.28	B	0.12	0.022	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Calcium	52000		60	10	mg/Kg	☼	10/07/19 09:02	10/08/19 13:57	5
Chromium	16		0.60	0.30	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Cobalt	10		0.30	0.079	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Copper	23	B	0.60	0.17	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Iron	17000	^	12	6.3	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Lead	16		0.30	0.14	mg/Kg	☼	10/07/19 09:02	10/08/19 12:22	1
Magnesium	25000		6.0	3.0	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Manganese	470		0.60	0.087	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Nickel	26		0.60	0.18	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Potassium	3000		30	11	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Silver	2.6		0.30	0.078	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Sodium	2000		60	8.9	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Thallium	2.2		0.60	0.30	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Vanadium	24		0.30	0.071	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	1
Zinc	54	^	1.2	0.53	mg/Kg	☼	10/07/19 09:02	10/08/19 02:30	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		10/03/19 10:00	10/04/19 09:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		10/03/19 10:00	10/04/19 11:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	19	6.3	ug/Kg	☼	10/02/19 14:30	10/03/19 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(4-10)-092619

Lab Sample ID: 500-170817-17

Date Collected: 09/26/19 14:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,1,2-Trichloroethane	<1.5		1.5	0.63	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Acetone	<15		15	6.4	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Chloroethane	<3.7 *		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Methyl Ethyl Ketone	<3.7 *		3.7	1.6	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
trans-1,2-Dichloroethene	<1.5		1.5	0.65	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Vinyl chloride	<1.5		1.5	0.65	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	09/27/19 17:26	10/03/19 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	09/27/19 17:26	10/03/19 19:28	1
4-Bromofluorobenzene (Surr)	89		75 - 131	09/27/19 17:26	10/03/19 19:28	1
Dibromofluoromethane	104		75 - 126	09/27/19 17:26	10/03/19 19:28	1
Toluene-d8 (Surr)	96		75 - 124	09/27/19 17:26	10/03/19 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,2'-oxybis[1-chloropropane]	<190 *		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(4-10)-092619

Lab Sample ID: 500-170817-17

Date Collected: 09/26/19 14:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,4-Dinitrophenol	<750	*	750	660	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2-Methylnaphthalene	52	J	75	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Benzo[g,h,i]perylene	15	J	37	12	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Carbazole	<190		190	93	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Chrysene	27	J	37	10	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Fluorene	6.7	J	37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(4-10)-092619

Lab Sample ID: 500-170817-17

Date Collected: 09/26/19 14:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Isophorone	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Naphthalene	14	J	37	5.7	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Phenanthrene	67		37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Phenol	<190	*	190	83	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1
Pyrene	<37		37	7.4	ug/Kg	☼	10/04/19 07:51	10/07/19 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	10/04/19 07:51	10/07/19 20:05	1
2-Fluorobiphenyl	104		43 - 145	10/04/19 07:51	10/07/19 20:05	1
2-Fluorophenol	125		31 - 166	10/04/19 07:51	10/07/19 20:05	1
Nitrobenzene-d5	111		37 - 147	10/04/19 07:51	10/07/19 20:05	1
Phenol-d5	142		30 - 153	10/04/19 07:51	10/07/19 20:05	1
Terphenyl-d14	118		42 - 157	10/04/19 07:51	10/07/19 20:05	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		10/07/19 08:36	10/07/19 22:42	1
Barium	0.24	J	0.50	0.050	mg/L		10/07/19 08:36	10/07/19 22:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 22:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 22:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:42	1
Cobalt	0.016	J	0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:42	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:42	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 22:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 22:42	1
Manganese	2.3		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:42	1
Nickel	0.033		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:42	1
Selenium	0.020	J	0.050	0.020	mg/L		10/07/19 08:36	10/07/19 22:42	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 22:42	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 08:36	10/07/19 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Barium	0.053	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 13:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 13:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 13:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 13:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 13:10	1
Manganese	0.079		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 13:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S3-1(4-10)-092619

Lab Sample ID: 500-170817-17

Date Collected: 09/26/19 14:50

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:10	1
Zinc	0.021	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 13:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.78	J	1.1	0.21	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Arsenic	8.1		0.54	0.18	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Barium	48		0.54	0.061	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Beryllium	0.73		0.21	0.050	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Cadmium	0.19	B	0.11	0.019	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Calcium	73000		54	9.1	mg/Kg	☼	10/07/19 09:02	10/08/19 14:01	5
Chromium	17		0.54	0.27	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Cobalt	11		0.27	0.070	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Copper	23	B	0.54	0.15	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Iron	18000	^	11	5.6	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Lead	12		0.27	0.12	mg/Kg	☼	10/07/19 09:02	10/08/19 12:26	1
Magnesium	40000		27	13	mg/Kg	☼	10/07/19 09:02	10/08/19 14:01	5
Manganese	440		0.54	0.078	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Nickel	28		0.54	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Potassium	4100		27	9.5	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Silver	2.2		0.27	0.069	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Sodium	430		54	8.0	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Thallium	1.3		0.54	0.27	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Vanadium	22		0.27	0.063	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1
Zinc	39	^	1.1	0.47	mg/Kg	☼	10/07/19 09:02	10/08/19 02:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 09:27	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		10/03/19 10:00	10/04/19 11:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	18	5.8	ug/Kg	☼	10/02/19 14:30	10/03/19 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S2-1(0-4)-092619

Lab Sample ID: 500-170817-20

Date Collected: 09/26/19 15:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Acetone	8.7	J	15	6.7	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Bromomethane	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Chloroethane	<3.8	*	3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Methyl Ethyl Ketone	<3.8	*	3.8	1.7	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	09/27/19 17:26	10/03/19 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	09/27/19 17:26	10/03/19 20:43	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/27/19 17:26	10/03/19 20:43	1
Dibromofluoromethane	103		75 - 126	09/27/19 17:26	10/03/19 20:43	1
Toluene-d8 (Surr)	94		75 - 124	09/27/19 17:26	10/03/19 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S2-1(0-4)-092619

Lab Sample ID: 500-170817-20

Date Collected: 09/26/19 15:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,4-Dinitrophenol	<760	*	760	660	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Benzo[b]fluoranthene	11	J B	37	8.1	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Carbazole	<190		190	94	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Chrysene	16	J	37	10	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S2-1(0-4)-092619

Lab Sample ID: 500-170817-20

Date Collected: 09/26/19 15:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Isophorone	<190		190	42	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Phenanthrene	12	J	37	5.2	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Phenol	<190	*	190	83	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Pyrene	14	J	37	7.5	ug/Kg	☼	10/04/19 07:51	10/07/19 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		31 - 143				10/04/19 07:51	10/07/19 20:56	1
2-Fluorobiphenyl	99		43 - 145				10/04/19 07:51	10/07/19 20:56	1
2-Fluorophenol	124		31 - 166				10/04/19 07:51	10/07/19 20:56	1
Nitrobenzene-d5	105		37 - 147				10/04/19 07:51	10/07/19 20:56	1
Phenol-d5	148		30 - 153				10/04/19 07:51	10/07/19 20:56	1
Terphenyl-d14	105		42 - 157				10/04/19 07:51	10/07/19 20:56	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Barium	0.53		0.50	0.050	mg/L		10/07/19 08:36	10/07/19 23:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 08:36	10/07/19 23:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:36	10/07/19 23:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 08:36	10/07/19 23:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 08:36	10/07/19 23:07	1
Manganese	3.3		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Nickel	0.021	J	0.025	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Selenium	0.023	J	0.050	0.020	mg/L		10/07/19 08:36	10/07/19 23:07	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:36	10/07/19 23:07	1
Zinc	0.023	J	0.50	0.020	mg/L		10/07/19 08:36	10/07/19 23:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Barium	0.49	J	0.50	0.050	mg/L		10/07/19 08:33	10/08/19 13:23	1
Beryllium	0.0069		0.0040	0.0040	mg/L		10/07/19 08:33	10/08/19 13:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 08:33	10/08/19 13:23	1
Chromium	0.16		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Cobalt	0.067		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Copper	0.15		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Iron	130		0.40	0.20	mg/L		10/07/19 08:33	10/08/19 13:23	1
Lead	0.072		0.0075	0.0075	mg/L		10/07/19 08:33	10/08/19 13:23	1
Manganese	1.6	F1	0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Nickel	0.16		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 08:33	10/08/19 13:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Client Sample ID: S2-1(0-4)-092619

Lab Sample ID: 500-170817-20

Date Collected: 09/26/19 15:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 08:33	10/08/19 13:23	1
Zinc	0.29	J	0.50	0.020	mg/L		10/07/19 08:33	10/08/19 13:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.79	J F1	1.1	0.22	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Arsenic	7.7	F1	0.55	0.19	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Barium	46	F1	0.55	0.063	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Beryllium	0.69		0.22	0.052	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Cadmium	0.21	B	0.11	0.020	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Calcium	72000	F2	55	9.4	mg/Kg	☼	10/07/19 09:02	10/08/19 14:13	5
Chromium	16		0.55	0.27	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Cobalt	11		0.28	0.073	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Copper	23	B	0.55	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Iron	17000		11	5.8	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Lead	12	F1	0.28	0.13	mg/Kg	☼	10/07/19 09:02	10/08/19 12:38	1
Magnesium	32000	F2	5.5	2.7	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Manganese	450	F2	0.55	0.080	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Nickel	29		0.55	0.16	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Potassium	3800		28	9.8	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Selenium	<0.55	F1	0.55	0.33	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Silver	2.3		0.28	0.071	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Sodium	570		55	8.2	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Thallium	1.6		0.55	0.28	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Vanadium	21		0.28	0.065	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	1
Zinc	46	F1	1.1	0.49	mg/Kg	☼	10/07/19 09:02	10/08/19 02:55	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		10/03/19 10:00	10/04/19 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 11:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17		17	5.8	ug/Kg	☼	10/02/19 14:30	10/03/19 08:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/03/19 17:16	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
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
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.
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.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170817-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B		Water	1,3-Dichloropropene, Total
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



500-170817 COC

Report To (optional)
Contact: Andris Slessors
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: Andris.Slessors@WesternSolutions.com

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

Chain of Custody Record

Lab Job #: 500-170817
Chain of Custody Number: _____
Page 1 of 3
Temperature °C of Cooler: 1/19/23/25

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Weston</u>		<u>02056.016.005</u>								Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #										
<u>IDOT Northbrook</u>												
Project Location/State		Lab PM										
<u>Northbrook, IL</u>												
Sample												
<u>C. Pence + M. Delvo</u>												
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TRCP/SLP Metals	PH	Comments
			Date	Time								
<u>1</u>		<u>56-4-092619</u>	<u>9/26/19</u>	<u>1245</u>	<u>6</u>	<u>WT</u>	<u>X</u>	<u>X</u>	<u>X</u>			
<u>2</u>		<u>56-4-092619D</u>		<u>1245</u>	<u>3</u>	<u>WT</u>	<u>X</u>					
<u>3</u>		<u>56-4(0-4)-092619</u>		<u>1145</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>4</u>		<u>56-4(7-10)-092619</u>		<u>1200</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>5</u>		<u>56-3(0-4)-092619</u>		<u>1205</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>6</u>		<u>56-3(4-10)-092619</u>		<u>1210</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>7</u>		<u>56-2(0-4)-092619</u>		<u>1225</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>8</u>		<u>56-2(4-10)-092619</u>		<u>1230</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>9</u>		<u>56-1(0-4)-092619</u>		<u>1300</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>10</u>		<u>56-1(4-10)-092619</u>		<u>1310</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days 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>[Signature]</u> Company <u>Weston</u> Date <u>9/27/19</u> Time <u>1005</u>	Received By <u>[Signature]</u> Company <u>JA</u> Date <u>9/27/19</u> Time <u>1005</u>
Relinquished By <u>[Signature]</u> Company <u>JA</u> Date <u>9/27/19</u> Time <u>1245</u>	Received By <u>[Signature]</u> Company <u>TRCH</u> Date <u>9/27/19</u> Time <u>1245</u>
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____

Lab Courier: TR
Shipped: _____
Hand Delivered: _____

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

Client Comments

Lab Comments:

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: Andri Slessers
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-170817

Chain of Custody Number: _____

Page 2 of 3

Temperature °C of Cooler: 19.23.25

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>		<u>02056.016.005</u>																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers		Matrix										Comments	
<u>EDOT Northbrook</u>				Date Time															
Project Location/State		Lab-PM																	
<u>Northbrook, IL</u>																			
Sampler																			
<u>C. Perez + M. Schindler</u>																			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix													
<u>11</u>		<u>57-1(0-4)-092019</u>	<u>9/26/19</u>	<u>1300</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>55-1(0-4)-092019</u>		<u>1350</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>13</u>		<u>55-1(4-10)-092019</u>		<u>1400</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>14</u>		<u>54-1(0-4)-092019</u>		<u>1430</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>15</u>		<u>54-1(4-10)-092019</u>		<u>1435</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>16</u>		<u>53-1(0-4)-092019</u>		<u>1445</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>17</u>		<u>53-1(4-10)-092019</u>		<u>1450</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>18</u>		<u>51-1(0-4)-092019</u>		<u>1500</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>19</u>		<u>51-1(4-10)-092019</u>		<u>1505</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>20</u>		<u>52-1(0-4)-092019</u>		<u>1515</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

Turnaround Time Required (Business Days)

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

Sample Disposal

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

Relinquished By <u>[Signature]</u> Company: <u>Weston</u> Date: <u>9/27/19</u> Time: <u>1005</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>9/27/19</u> Time: <u>1005</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>9/27/19</u> Time: <u>1245</u>	Received By <u>[Signature]</u> Company: <u>TA-CHT</u> Date: <u>9/27/19</u> Time: <u>1245</u>	Shipped _____
Relinquished By _____	Received By _____	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:

ANALYTICAL REPORT

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

Laboratory Job ID: 500-170820-1
Client Project/Site: IDOT - Northbrook - WO 005

For:

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
10/14/2019 4:45:14 PM

Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S2-3(0-4)-092619

Lab Sample ID: 500-170820-3

Date Collected: 09/26/19 15:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Acetone	9.4	J	15	6.6	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Chloroethane	<3.8	*	3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1
Xylenes, Total	<3.0		3.0	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	09/27/19 17:26	10/01/19 19:21	1
4-Bromofluorobenzene (Surr)	117		75 - 131	09/27/19 17:26	10/01/19 19:21	1
Dibromofluoromethane	100		75 - 126	09/27/19 17:26	10/01/19 19:21	1
Toluene-d8 (Surr)	102		75 - 124	09/27/19 17:26	10/01/19 19:21	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	☼	10/04/19 19:20	10/08/19 11:49	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S2-3(0-4)-092619

Lab Sample ID: 500-170820-3

Date Collected: 09/26/19 15:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,4-Dinitrophenol	<740	*	740	650	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2-Methylnaphthalene	73	J	74	6.8	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2-Methylphenol	<190		190	59	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Acenaphthene	9.2	J	37	6.6	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Anthracene	<37		37	6.2	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Benzo[a]anthracene	17	J	37	5.0	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Benzo[a]pyrene	46		37	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Benzo[b]fluoranthene	13	J	37	8.0	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Benzo[g,h,i]perylene	20	J	37	12	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Benzo[k]fluoranthene	33	J	37	11	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Carbazole	<190	*	190	92	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Chrysene	21	J	37	10	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Fluoranthene	16	J	37	6.8	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Fluorene	12	J	37	5.2	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S2-3(0-4)-092619

Lab Sample ID: 500-170820-3

Date Collected: 09/26/19 15:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Isophorone	<190		190	41	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Naphthalene	14	J	37	5.7	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Phenanthrene	84		37	5.1	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Phenol	<190		190	82	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Pyrene	21	J	37	7.3	ug/Kg	☼	10/04/19 19:20	10/08/19 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		31 - 143				10/04/19 19:20	10/08/19 11:49	1
2-Fluorobiphenyl	90		43 - 145				10/04/19 19:20	10/08/19 11:49	1
2-Fluorophenol	105		31 - 166				10/04/19 19:20	10/08/19 11:49	1
Nitrobenzene-d5	87		37 - 147				10/04/19 19:20	10/08/19 11:49	1
Phenol-d5	95		30 - 153				10/04/19 19:20	10/08/19 11:49	1
Terphenyl-d14	114		42 - 157				10/04/19 19:20	10/08/19 11:49	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Barium	0.68		0.50	0.050	mg/L		10/04/19 07:16	10/04/19 19:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/04/19 07:16	10/04/19 19:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/04/19 07:16	10/04/19 19:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Cobalt	0.020	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Copper	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Iron	<0.40		0.40	0.20	mg/L		10/04/19 07:16	10/04/19 19:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/04/19 07:16	10/04/19 19:19	1
Manganese	2.4		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Nickel	0.043		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/04/19 07:16	10/04/19 19:19	1
Silver	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:19	1
Zinc	0.024	J	0.50	0.020	mg/L		10/04/19 07:16	10/04/19 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Barium	0.25	J	0.50	0.050	mg/L		10/06/19 16:26	10/07/19 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/06/19 16:26	10/07/19 19:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/06/19 16:26	10/07/19 19:11	1
Chromium	0.081		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Cobalt	0.033		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Copper	0.058		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Iron	51		0.40	0.20	mg/L		10/06/19 16:26	10/07/19 19:11	1
Lead	0.016		0.0075	0.0075	mg/L		10/06/19 16:26	10/07/19 19:11	1
Manganese	0.58		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Nickel	0.084		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/06/19 16:26	10/07/19 19:11	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S2-3(0-4)-092619

Lab Sample ID: 500-170820-3

Date Collected: 09/26/19 15:25

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:11	1
Zinc	0.15	J ^	0.50	0.020	mg/L		10/06/19 16:26	10/07/19 19:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.1	0.20	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Arsenic	6.8		0.53	0.18	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Barium	32		0.53	0.060	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Beryllium	0.61		0.21	0.049	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Cadmium	0.17	B	0.11	0.019	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Calcium	71000	B	53	8.9	mg/Kg	☼	10/07/19 10:00	10/08/19 16:57	5
Chromium	17		0.53	0.26	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Cobalt	12		0.26	0.069	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Copper	21		0.53	0.15	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Iron	18000		11	5.5	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Lead	11		0.26	0.12	mg/Kg	☼	10/07/19 10:00	10/08/19 16:02	1
Magnesium	39000	B	26	13	mg/Kg	☼	10/07/19 10:00	10/08/19 16:57	5
Manganese	450		0.53	0.076	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Nickel	30		0.53	0.15	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Potassium	3000		26	9.3	mg/Kg	☼	10/07/19 10:00	10/08/19 16:02	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Silver	1.7		0.26	0.068	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Sodium	400		53	7.8	mg/Kg	☼	10/07/19 10:00	10/08/19 16:02	1
Thallium	1.3		0.53	0.26	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Vanadium	19		0.26	0.062	mg/Kg	☼	10/07/19 10:00	10/07/19 21:52	1
Zinc	45		1.1	0.46	mg/Kg	☼	10/07/19 10:00	10/08/19 16:02	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 08:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 09:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	5.6	ug/Kg	☼	10/02/19 14:30	10/03/19 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(0-4)-092619

Lab Sample ID: 500-170820-4

Date Collected: 09/26/19 15:55

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,1,2-Trichloroethane	<1.5		1.5	0.62	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,1-Dichloroethene	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
1,3-Dichloropropene, Total	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Acetone	20		15	6.3	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Benzene	<1.5		1.5	0.37	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Bromoform	<1.5		1.5	0.42	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Carbon tetrachloride	<1.5		1.5	0.42	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Chloroethane	<3.6 *		3.6	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Chloroform	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Chloromethane	<3.6		3.6	1.5	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Dibromochloromethane	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Ethylbenzene	<1.5		1.5	0.69	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Styrene	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Tetrachloroethene	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
trans-1,2-Dichloroethene	<1.5		1.5	0.64	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
trans-1,3-Dichloropropene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Trichloroethene	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Vinyl chloride	<1.5		1.5	0.64	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	09/27/19 17:26	10/01/19 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	09/27/19 17:26	10/01/19 19:46	1
4-Bromofluorobenzene (Surr)	94		75 - 131	09/27/19 17:26	10/01/19 19:46	1
Dibromofluoromethane	99		75 - 126	09/27/19 17:26	10/01/19 19:46	1
Toluene-d8 (Surr)	93		75 - 124	09/27/19 17:26	10/01/19 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(0-4)-092619

Lab Sample ID: 500-170820-4

Date Collected: 09/26/19 15:55

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,4-Dinitrophenol	<750	*	750	650	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2-Methylphenol	<190		190	60	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Anthracene	17	J	37	6.2	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Benzo[a]anthracene	73		37	5.0	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Benzo[a]pyrene	92		37	7.2	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Benzo[b]fluoranthene	130		37	8.0	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Benzo[g,h,i]perylene	42		37	12	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Benzo[k]fluoranthene	63		37	11	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Bis(2-ethylhexyl) phthalate	73	J	190	68	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Carbazole	<190	*	190	93	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Chrysene	79		37	10	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Dibenz(a,h)anthracene	21	J	37	7.2	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Dibenzofuran	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Fluoranthene	160		37	6.9	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Fluorene	<37		37	5.2	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Hexachloroethane	<190		190	56	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(0-4)-092619

Lab Sample ID: 500-170820-4

Date Collected: 09/26/19 15:55

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.0

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	58		37	9.6	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Isophorone	<190		190	42	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Naphthalene	<37		37	5.7	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Phenanthrene	62		37	5.2	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Phenol	<190		190	83	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Pyrene	120		37	7.4	ug/Kg	☼	10/04/19 19:20	10/08/19 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		31 - 143				10/04/19 19:20	10/08/19 12:18	1
2-Fluorobiphenyl	83		43 - 145				10/04/19 19:20	10/08/19 12:18	1
2-Fluorophenol	112		31 - 166				10/04/19 19:20	10/08/19 12:18	1
Nitrobenzene-d5	89		37 - 147				10/04/19 19:20	10/08/19 12:18	1
Phenol-d5	102		30 - 153				10/04/19 19:20	10/08/19 12:18	1
Terphenyl-d14	113		42 - 157				10/04/19 19:20	10/08/19 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		10/04/19 07:16	10/04/19 19:23	1
Barium	0.46	J	0.50	0.050	mg/L		10/04/19 07:16	10/04/19 19:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/04/19 07:16	10/04/19 19:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/04/19 07:16	10/04/19 19:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:23	1
Cobalt	0.014	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:23	1
Copper	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:23	1
Iron	<0.40		0.40	0.20	mg/L		10/04/19 07:16	10/04/19 19:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/04/19 07:16	10/04/19 19:23	1
Manganese	5.3		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:23	1
Nickel	0.014	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/04/19 07:16	10/04/19 19:23	1
Silver	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:23	1
Zinc	0.039	J	0.50	0.020	mg/L		10/04/19 07:16	10/04/19 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Barium	0.57		0.50	0.050	mg/L		10/06/19 16:26	10/07/19 19:15	1
Beryllium	0.0077		0.0040	0.0040	mg/L		10/06/19 16:26	10/07/19 19:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/06/19 16:26	10/07/19 19:15	1
Chromium	0.19		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Cobalt	0.11		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Copper	0.25		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Iron	170		0.40	0.20	mg/L		10/06/19 16:26	10/07/19 19:15	1
Lead	0.14		0.0075	0.0075	mg/L		10/06/19 16:26	10/07/19 19:15	1
Manganese	2.3		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Nickel	0.25		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/06/19 16:26	10/07/19 19:15	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(0-4)-092619

Lab Sample ID: 500-170820-4

Date Collected: 09/26/19 15:55

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.020	J	0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:15	1
Zinc	0.58		0.50	0.020	mg/L		10/06/19 16:26	10/08/19 13:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.23	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Arsenic	6.7		0.59	0.20	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Barium	38		0.59	0.067	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Beryllium	0.63		0.23	0.055	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Cadmium	0.31	B	0.12	0.021	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Calcium	55000	B	59	9.9	mg/Kg	☼	10/07/19 10:00	10/08/19 17:01	5
Chromium	19		0.59	0.29	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Cobalt	11		0.29	0.077	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Copper	24		0.59	0.16	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Iron	18000		12	6.1	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Lead	30		0.29	0.14	mg/Kg	☼	10/07/19 10:00	10/08/19 16:14	1
Magnesium	26000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Manganese	500		0.59	0.085	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Nickel	28		0.59	0.17	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Potassium	2700		29	10	mg/Kg	☼	10/07/19 10:00	10/09/19 09:26	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Silver	2.0		0.29	0.076	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Sodium	1200		59	8.7	mg/Kg	☼	10/07/19 10:00	10/09/19 09:26	1
Thallium	1.2		0.59	0.29	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Vanadium	22		0.29	0.069	mg/Kg	☼	10/07/19 10:00	10/07/19 21:56	1
Zinc	77		1.2	0.52	mg/Kg	☼	10/07/19 10:00	10/09/19 09:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 09:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		18	6.0	ug/Kg	☼	10/02/19 14:30	10/03/19 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(4-10)-092619

Lab Sample ID: 500-170820-5

Date Collected: 09/26/19 16:00

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,1,1,2-Tetrachloroethane	<1.4		1.4	0.45	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,1,2-Trichloroethane	<1.4		1.4	0.61	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,1-Dichloroethene	<1.4		1.4	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
1,3-Dichloropropene, Total	<1.4		1.4	0.50	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Acetone	16		14	6.2	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Bromoform	<1.4		1.4	0.41	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Carbon disulfide	<3.5		3.5	0.74	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Carbon tetrachloride	<1.4		1.4	0.41	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Chlorobenzene	<1.4		1.4	0.52	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Chloroethane	<3.5 *		3.5	1.0	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Chloroform	<1.4		1.4	0.49	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Dibromochloromethane	<1.4		1.4	0.46	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Ethylbenzene	<1.4		1.4	0.68	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Methyl Ethyl Ketone	<3.5		3.5	1.6	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Styrene	<1.4		1.4	0.43	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Tetrachloroethene	<1.4		1.4	0.48	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
trans-1,2-Dichloroethene	<1.4		1.4	0.63	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
trans-1,3-Dichloropropene	<1.4		1.4	0.50	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Trichloroethene	<1.4		1.4	0.48	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Vinyl chloride	<1.4		1.4	0.63	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1
Xylenes, Total	<2.8		2.8	0.45	ug/Kg	☼	09/27/19 17:26	10/01/19 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	09/27/19 17:26	10/01/19 20:12	1
4-Bromofluorobenzene (Surr)	93		75 - 131	09/27/19 17:26	10/01/19 20:12	1
Dibromofluoromethane	99		75 - 126	09/27/19 17:26	10/01/19 20:12	1
Toluene-d8 (Surr)	96		75 - 124	09/27/19 17:26	10/01/19 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(4-10)-092619

Lab Sample ID: 500-170820-5

Date Collected: 09/26/19 16:00

Matrix: Solid

Date Received: 09/27/19 12:45

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	☼	10/04/19 19:20	10/08/19 12:47	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2,4-Dinitrophenol	<740	*	740	640	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2-Methylnaphthalene	150		74	6.7	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2-Methylphenol	<180		180	59	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Acenaphthene	6.9 J		36	6.6	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Anthracene	9.5 J		36	6.1	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Benzo[a]anthracene	8.3 J		36	4.9	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Benzo[a]pyrene	45		36	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Benzo[b]fluoranthene	20 J		36	7.9	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Benzo[g,h,i]perylene	17 J		36	12	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Bis(2-ethylhexyl) phthalate	70 J		180	67	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Carbazole	<180	*	180	91	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Chrysene	36		36	10	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Dibenzofuran	<180		180	43	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Diethyl phthalate	72 J		180	62	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Fluoranthene	24 J		36	6.8	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Fluorene	8.1 J		36	5.1	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Hexachloroethane	<180		180	56	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(4-10)-092619

Lab Sample ID: 500-170820-5

Date Collected: 09/26/19 16:00

Matrix: Solid

Date Received: 09/27/19 12:45

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	☼	10/04/19 19:20	10/08/19 12:47	1
Isophorone	<180		180	41	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Naphthalene	22	J	36	5.6	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
N-Nitrosodiphenylamine	66	J	180	43	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Phenanthrene	110		36	5.1	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Phenol	<180		180	81	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Pyrene	29	J	36	7.3	ug/Kg	☼	10/04/19 19:20	10/08/19 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		31 - 143				10/04/19 19:20	10/08/19 12:47	1
2-Fluorobiphenyl	93		43 - 145				10/04/19 19:20	10/08/19 12:47	1
2-Fluorophenol	107		31 - 166				10/04/19 19:20	10/08/19 12:47	1
Nitrobenzene-d5	89		37 - 147				10/04/19 19:20	10/08/19 12:47	1
Phenol-d5	97		30 - 153				10/04/19 19:20	10/08/19 12:47	1
Terphenyl-d14	123		42 - 157				10/04/19 19:20	10/08/19 12:47	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		10/04/19 07:16	10/04/19 19:28	1
Barium	0.29	J	0.50	0.050	mg/L		10/04/19 07:16	10/04/19 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/04/19 07:16	10/04/19 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/04/19 07:16	10/04/19 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:28	1
Cobalt	0.014	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:28	1
Copper	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:28	1
Iron	<0.40		0.40	0.20	mg/L		10/04/19 07:16	10/04/19 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/04/19 07:16	10/04/19 19:28	1
Manganese	2.2		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:28	1
Nickel	0.022	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/04/19 07:16	10/04/19 19:28	1
Silver	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:28	1
Zinc	<0.50		0.50	0.020	mg/L		10/04/19 07:16	10/04/19 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/06/19 16:26	10/07/19 19:27	1
Barium	<0.50		0.50	0.050	mg/L		10/06/19 16:26	10/07/19 19:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/06/19 16:26	10/07/19 19:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/06/19 16:26	10/07/19 19:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:27	1
Copper	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:27	1
Iron	0.24	J	0.40	0.20	mg/L		10/06/19 16:26	10/07/19 19:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/06/19 16:26	10/07/19 19:27	1
Manganese	0.029		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/06/19 16:26	10/07/19 19:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S10-1(4-10)-092619

Lab Sample ID: 500-170820-5

Date Collected: 09/26/19 16:00

Matrix: Solid

Date Received: 09/27/19 12:45

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		10/06/19 16:26	10/07/19 19:27	1
Zinc	0.038	J ^	0.50	0.020	mg/L		10/06/19 16:26	10/07/19 19:27	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	☼	10/07/19 10:00	10/07/19 22:00	1
Arsenic	7.2		0.54	0.18	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Barium	44		0.54	0.061	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Beryllium	0.65		0.21	0.050	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Cadmium	0.17	B	0.11	0.019	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Calcium	76000	B	54	9.1	mg/Kg	☼	10/07/19 10:00	10/08/19 17:05	5
Chromium	17		0.54	0.27	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Cobalt	12		0.27	0.070	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Copper	21		0.54	0.15	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Iron	18000		11	5.6	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Lead	12		0.27	0.12	mg/Kg	☼	10/07/19 10:00	10/08/19 16:19	1
Magnesium	41000	B	27	13	mg/Kg	☼	10/07/19 10:00	10/08/19 17:05	5
Manganese	460		0.54	0.078	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Nickel	30		0.54	0.16	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Potassium	3400		27	9.5	mg/Kg	☼	10/07/19 10:00	10/09/19 09:30	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Silver	1.9		0.27	0.069	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Sodium	850		54	7.9	mg/Kg	☼	10/07/19 10:00	10/09/19 09:30	1
Thallium	0.97		0.54	0.27	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Vanadium	19		0.27	0.063	mg/Kg	☼	10/07/19 10:00	10/07/19 22:00	1
Zinc	41		1.1	0.47	mg/Kg	☼	10/07/19 10:00	10/09/19 09:30	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		10/03/19 10:00	10/04/19 08:39	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		10/03/19 10:00	10/04/19 09:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	18	6.1	ug/Kg	☼	10/02/19 14:30	10/03/19 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(0-4)-092619

Lab Sample ID: 500-170820-6

Date Collected: 09/26/19 16:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Acetone	9.1	J	15	6.6	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Carbon disulfide	<3.8		3.8	0.78	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Chloroethane	<3.8	*	3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	09/27/19 17:26	10/02/19 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/27/19 17:26	10/02/19 13:19	1
4-Bromofluorobenzene (Surr)	98		75 - 131	09/27/19 17:26	10/02/19 13:19	1
Dibromofluoromethane	95		75 - 126	09/27/19 17:26	10/02/19 13:19	1
Toluene-d8 (Surr)	92		75 - 124	09/27/19 17:26	10/02/19 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(0-4)-092619

Lab Sample ID: 500-170820-6

Date Collected: 09/26/19 16:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2-Methylnaphthalene	17	J	72	6.6	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2-Methylphenol	<180		180	57	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
2-Nitrophenol	<360		360	84	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Anthracene	7.4	J	36	6.0	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Benzo[a]anthracene	17	J	36	4.8	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Benzo[a]pyrene	<36		36	6.9	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Benzo[b]fluoranthene	13	J	36	7.7	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Benzo[g,h,i]perylene	13	J	36	12	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Carbazole	<180	*	180	89	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Chrysene	15	J	36	9.7	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Dibenzofuran	<180		180	42	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Fluoranthene	15	J	36	6.6	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Fluorene	<36		36	5.0	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Hexachloroethane	<180		180	54	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(0-4)-092619

Lab Sample ID: 500-170820-6

Date Collected: 09/26/19 16:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Isophorone	<180		180	40	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Naphthalene	<36		36	5.5	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Phenanthrene	49		36	5.0	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Phenol	<180		180	79	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1
Pyrene	17 J		36	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143	10/04/19 19:20	10/08/19 13:16	1
2-Fluorobiphenyl	72		43 - 145	10/04/19 19:20	10/08/19 13:16	1
2-Fluorophenol	95		31 - 166	10/04/19 19:20	10/08/19 13:16	1
Nitrobenzene-d5	68		37 - 147	10/04/19 19:20	10/08/19 13:16	1
Phenol-d5	85		30 - 153	10/04/19 19:20	10/08/19 13:16	1
Terphenyl-d14	107		42 - 157	10/04/19 19:20	10/08/19 13:16	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		10/04/19 07:16	10/04/19 19:32	1
Barium	0.64		0.50	0.050	mg/L		10/04/19 07:16	10/04/19 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/04/19 07:16	10/04/19 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/04/19 07:16	10/04/19 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:32	1
Cobalt	0.014 J		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:32	1
Copper	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:32	1
Iron	<0.40		0.40	0.20	mg/L		10/04/19 07:16	10/04/19 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/04/19 07:16	10/04/19 19:32	1
Manganese	2.7		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:32	1
Nickel	0.020 J		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/04/19 07:16	10/04/19 19:32	1
Silver	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:32	1
Zinc	0.022 J		0.50	0.020	mg/L		10/04/19 07:16	10/04/19 19:32	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		10/06/19 16:26	10/07/19 19:31	1
Barium	0.51		0.50	0.050	mg/L		10/06/19 16:26	10/07/19 19:31	1
Beryllium	0.0062		0.0040	0.0040	mg/L		10/06/19 16:26	10/07/19 19:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/06/19 16:26	10/07/19 19:31	1
Chromium	0.15		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:31	1
Cobalt	0.080		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:31	1
Copper	0.14		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:31	1
Iron	110		0.40	0.20	mg/L		10/06/19 16:26	10/07/19 19:31	1
Lead	0.056		0.0075	0.0075	mg/L		10/06/19 16:26	10/07/19 19:31	1
Manganese	1.3		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:31	1
Nickel	0.19		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/06/19 16:26	10/07/19 19:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(0-4)-092619

Lab Sample ID: 500-170820-6

Date Collected: 09/26/19 16:10

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.014	J	0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:31	1
Zinc	0.38	J ^	0.50	0.020	mg/L		10/06/19 16:26	10/07/19 19:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J	1.1	0.21	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Arsenic	6.9		0.55	0.19	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Barium	37		0.55	0.063	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Beryllium	0.67		0.22	0.052	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Cadmium	0.21	B	0.11	0.020	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Calcium	66000	B	55	9.4	mg/Kg	☼	10/07/19 10:00	10/08/19 17:09	5
Chromium	19		0.55	0.27	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Cobalt	12		0.28	0.072	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Copper	22		0.55	0.15	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Iron	19000		11	5.7	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Lead	13		0.28	0.13	mg/Kg	☼	10/07/19 10:00	10/08/19 16:23	1
Magnesium	31000	B	5.5	2.7	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Manganese	430		0.55	0.080	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Nickel	32		0.55	0.16	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Potassium	3500		28	9.8	mg/Kg	☼	10/07/19 10:00	10/09/19 09:35	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Silver	1.9		0.28	0.071	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Sodium	850		55	8.2	mg/Kg	☼	10/07/19 10:00	10/09/19 09:35	1
Thallium	1.4		0.55	0.28	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Vanadium	20		0.28	0.065	mg/Kg	☼	10/07/19 10:00	10/07/19 22:04	1
Zinc	53		1.1	0.49	mg/Kg	☼	10/07/19 10:00	10/09/19 09:35	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		10/03/19 10:00	10/04/19 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	5.6	ug/Kg	☼	10/02/19 14:30	10/03/19 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619

Lab Sample ID: 500-170820-7

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Acetone	<15		15	6.7	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Chloroethane	<3.8 *		3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	09/27/19 17:26	10/02/19 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	09/27/19 17:26	10/02/19 13:45	1
4-Bromofluorobenzene (Surr)	99		75 - 131	09/27/19 17:26	10/02/19 13:45	1
Dibromofluoromethane	91		75 - 126	09/27/19 17:26	10/02/19 13:45	1
Toluene-d8 (Surr)	94		75 - 124	09/27/19 17:26	10/02/19 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619

Lab Sample ID: 500-170820-7

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2-Methylnaphthalene	68	J	78	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Anthracene	<38		38	6.5	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Benzo[a]anthracene	7.6	J	38	5.2	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Benzo[a]pyrene	54		38	7.5	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Benzo[b]fluoranthene	20	J	38	8.3	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Benzo[g,h,i]perylene	18	J	38	12	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Carbazole	<190	*	190	97	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Chrysene	27	J	38	11	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Diethyl phthalate	74	J	190	65	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Fluoranthene	21	J	38	7.2	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Fluorene	6.0	J	38	5.4	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619

Lab Sample ID: 500-170820-7

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Isophorone	<190		190	43	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Naphthalene	12	J	38	5.9	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Phenanthrene	69		38	5.4	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Phenol	<190		190	86	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Pyrene	23	J	38	7.7	ug/Kg	☼	10/04/19 19:20	10/08/19 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		31 - 143				10/04/19 19:20	10/08/19 13:45	1
2-Fluorobiphenyl	89		43 - 145				10/04/19 19:20	10/08/19 13:45	1
2-Fluorophenol	105		31 - 166				10/04/19 19:20	10/08/19 13:45	1
Nitrobenzene-d5	86		37 - 147				10/04/19 19:20	10/08/19 13:45	1
Phenol-d5	94		30 - 153				10/04/19 19:20	10/08/19 13:45	1
Terphenyl-d14	115		42 - 157				10/04/19 19:20	10/08/19 13:45	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Barium	0.59		0.50	0.050	mg/L		10/04/19 07:16	10/04/19 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/04/19 07:16	10/04/19 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/04/19 07:16	10/04/19 19:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Copper	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Iron	<0.40		0.40	0.20	mg/L		10/04/19 07:16	10/04/19 19:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/04/19 07:16	10/04/19 19:44	1
Manganese	3.6		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Nickel	0.015	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/04/19 07:16	10/04/19 19:44	1
Silver	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:44	1
Zinc	<0.50		0.50	0.020	mg/L		10/04/19 07:16	10/04/19 19:44	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		10/06/19 16:26	10/07/19 19:35	1
Barium	<0.50		0.50	0.050	mg/L		10/06/19 16:26	10/07/19 19:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/06/19 16:26	10/07/19 19:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/06/19 16:26	10/07/19 19:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:35	1
Cobalt	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:35	1
Copper	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:35	1
Iron	2.8		0.40	0.20	mg/L		10/06/19 16:26	10/07/19 19:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/06/19 16:26	10/07/19 19:35	1
Manganese	0.046		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:35	1
Nickel	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/06/19 16:26	10/07/19 19:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619

Lab Sample ID: 500-170820-7

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:35	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/06/19 16:26	10/07/19 19:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.22	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Arsenic	7.3		0.56	0.19	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Barium	39		0.56	0.063	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Beryllium	0.67		0.22	0.052	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Cadmium	0.22	B	0.11	0.020	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Calcium	55000	B	56	9.4	mg/Kg	☼	10/07/19 10:00	10/08/19 17:13	5
Chromium	18		0.56	0.28	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Cobalt	12		0.28	0.073	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Copper	22		0.56	0.16	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Iron	19000		11	5.8	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Lead	13		0.28	0.13	mg/Kg	☼	10/07/19 10:00	10/08/19 16:27	1
Magnesium	26000	B	5.6	2.8	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Manganese	420		0.56	0.081	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Nickel	32		0.56	0.16	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Potassium	3400		28	9.9	mg/Kg	☼	10/07/19 10:00	10/09/19 09:39	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Silver	2.2		0.28	0.072	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Sodium	690		56	8.2	mg/Kg	☼	10/07/19 10:00	10/09/19 09:39	1
Thallium	1.8		0.56	0.28	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Vanadium	21		0.28	0.066	mg/Kg	☼	10/07/19 10:00	10/07/19 22:08	1
Zinc	54		1.1	0.49	mg/Kg	☼	10/07/19 10:00	10/09/19 09:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 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		10/03/19 10:00	10/04/19 10:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	18	6.1	ug/Kg	☼	10/02/19 14:30	10/03/19 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/03/19 17:16	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619D

Lab Sample ID: 500-170820-8

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Acetone	18		15	6.7	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Carbon disulfide	<3.9		3.9	0.80	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Chloroethane	<3.9 *		3.9	1.1	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Dibromochloromethane	<1.5		1.5	0.51	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	09/27/19 17:26	10/02/19 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	09/27/19 17:26	10/02/19 14:11	1
4-Bromofluorobenzene (Surr)	99		75 - 131	09/27/19 17:26	10/02/19 14:11	1
Dibromofluoromethane	89		75 - 126	09/27/19 17:26	10/02/19 14:11	1
Toluene-d8 (Surr)	93		75 - 124	09/27/19 17:26	10/02/19 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619D

Lab Sample ID: 500-170820-8

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

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	<390		390	89	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,4-Dinitrophenol	<780	*	780	680	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2-Methylnaphthalene	29	J	78	7.1	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2-Methylphenol	<200		200	62	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Benzo[a]anthracene	10	J	39	5.2	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Benzo[a]pyrene	56		39	7.5	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Benzo[b]fluoranthene	28	J	39	8.4	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Benzo[g,h,i]perylene	15	J	39	13	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Benzo[k]fluoranthene	36	J	39	11	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Carbazole	<200	*	200	97	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Chrysene	32	J	39	11	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Fluoranthene	33	J	39	7.2	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619D

Lab Sample ID: 500-170820-8

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

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	<39		39	10	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Isophorone	<200		200	44	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Naphthalene	8.2	J	39	6.0	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Phenanthrene	51		39	5.4	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Phenol	<200		200	86	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Pyrene	31	J	39	7.7	ug/Kg	☼	10/04/19 19:20	10/08/19 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143				10/04/19 19:20	10/08/19 14:13	1
2-Fluorobiphenyl	84		43 - 145				10/04/19 19:20	10/08/19 14:13	1
2-Fluorophenol	103		31 - 166				10/04/19 19:20	10/08/19 14:13	1
Nitrobenzene-d5	84		37 - 147				10/04/19 19:20	10/08/19 14:13	1
Phenol-d5	95		30 - 153				10/04/19 19:20	10/08/19 14:13	1
Terphenyl-d14	117		42 - 157				10/04/19 19:20	10/08/19 14:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Barium	0.57		0.50	0.050	mg/L		10/04/19 07:16	10/04/19 19:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/04/19 07:16	10/04/19 19:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/04/19 07:16	10/04/19 19:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Cobalt	0.019	J	0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Copper	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Iron	<0.40		0.40	0.20	mg/L		10/04/19 07:16	10/04/19 19:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/04/19 07:16	10/04/19 19:48	1
Manganese	3.4		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Nickel	0.035		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/04/19 07:16	10/04/19 19:48	1
Silver	<0.025		0.025	0.010	mg/L		10/04/19 07:16	10/04/19 19:48	1
Zinc	0.029	J	0.50	0.020	mg/L		10/04/19 07:16	10/04/19 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/06/19 16:26	10/07/19 19:39	1
Barium	<0.50		0.50	0.050	mg/L		10/06/19 16:26	10/07/19 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/06/19 16:26	10/07/19 19:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/06/19 16:26	10/07/19 19:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:39	1
Copper	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:39	1
Iron	1.6		0.40	0.20	mg/L		10/06/19 16:26	10/07/19 19:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/06/19 16:26	10/07/19 19:39	1
Manganese	0.031		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:39	1
Nickel	<0.025		0.025	0.010	mg/L		10/06/19 16:26	10/07/19 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/06/19 16:26	10/07/19 19:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Client Sample ID: S9-1(4-10)-092619D

Lab Sample ID: 500-170820-8

Date Collected: 09/26/19 16:15

Matrix: Solid

Date Received: 09/27/19 12:45

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		10/06/19 16:26	10/07/19 19:39	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/06/19 16:26	10/07/19 19:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.2	0.23	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Arsenic	6.4		0.59	0.20	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Barium	29		0.59	0.067	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Beryllium	0.78		0.23	0.055	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Cadmium	0.23	B	0.12	0.021	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Calcium	68000	B	59	9.9	mg/Kg	☼	10/07/19 10:00	10/08/19 17:17	5
Chromium	19		0.59	0.29	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Cobalt	13		0.29	0.077	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Copper	28		0.59	0.16	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Iron	19000		12	6.1	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Lead	15		0.29	0.14	mg/Kg	☼	10/07/19 10:00	10/08/19 16:31	1
Magnesium	32000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Manganese	550		0.59	0.085	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Nickel	32		0.59	0.17	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Potassium	3800		29	10	mg/Kg	☼	10/07/19 10:00	10/09/19 09:51	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Silver	2.0		0.29	0.076	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Sodium	570		59	8.7	mg/Kg	☼	10/07/19 10:00	10/09/19 09:51	1
Thallium	1.6		0.59	0.29	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Vanadium	22		0.29	0.069	mg/Kg	☼	10/07/19 10:00	10/07/19 22:12	1
Zinc	84		1.2	0.51	mg/Kg	☼	10/07/19 10:00	10/09/19 09:51	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		10/03/19 10:00	10/04/19 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		10/03/19 10:00	10/04/19 10:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	19	6.3	ug/Kg	☼	10/02/19 14:30	10/03/19 08:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/03/19 17:16	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
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
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
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.
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.
▫	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.
Project/Site: IDOT - Northbrook - WO 005

Job ID: 500-170820-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Water	1,3-Dichloropropene, Total
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 601
Phone: 708.534.5200 Fax: 708.534



500-170820 COC

Report To (optional)
Contact: Andri's Slessare
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-170820
Chain of Custody Number: _____
Page 3 of 3
Temperature °C of Cooler: 16.9 23.2 25

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Western</u>		<u>02056.016.005</u>														1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		# of Containers		Matrix		Total		TCP/3P-P						Comments	
<u>RDOT Northbrook</u>								<u>VOCs</u>		<u>SUOCs</u>		<u>metals</u>		<u>metals</u>			
Project Location/State		Lab PM		Date		Time											
<u>Northbrook, IL</u>																	
Sampler		Sample ID		Date		Time		# of Containers		Matrix							
<u>C. Perez + M. Delvo</u>																	
1		52-2 (0-4)	-092619	9/26/19	1520	6	S	X	X	X	X	X	X				
2		52-2 (0-4)	-092619D		1520	6	S	X	X	X	X	X	X				
3		52-3 (0-4)	-0926191		1525	6	S	X	X	X	X	X	X				
4		S10-1 (0-4)	-092619		1555	6	S	X	X	X	X	X	X				
5		S10-1 (4-10)	-092619		1600	6	S	X	X	X	X	X	X				
6		S9-1 (0-4)	-092619		1610	6	S	X	X	X	X	X	X				
7		S9-1 (4-10)	-092619		1615	6	S	X	X	X	X	X	X				
8		S9-1 (4-10)	-092619D		1615	6	S	X	X	X	X	X	X				
9		S8-1 (0-4)	-092619		1625	6	S	X	X	X	X	X	X				
10		Trip Blank			-	2	WT	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>Western</u>	Date <u>9/27/19</u>	Time <u>10:05</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>9/27/19</u>	Time <u>10:05</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>9/22/19</u>	Time <u>12:45</u>	Received By <u>[Signature]</u>	Company <u>TA-CPH</u>	Date <u>9/27/19</u>	Time <u>12:45</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: